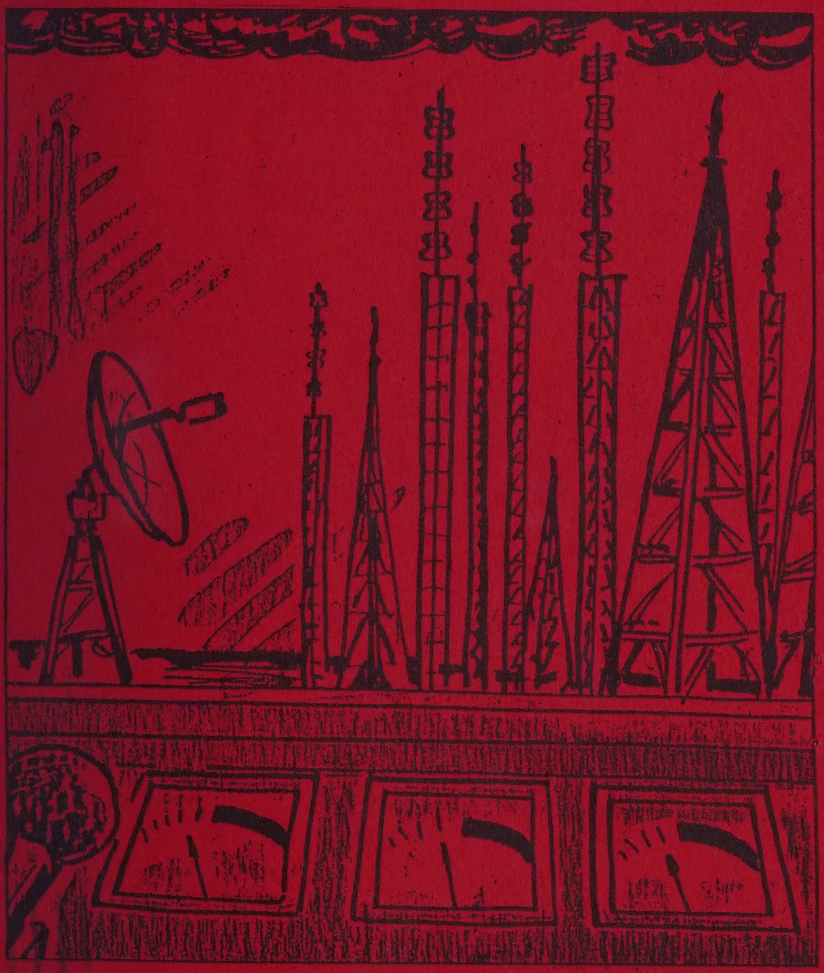
Vhf-Uhf DIGEST

The Official Publication of the Worldwide TV-FM DX Association

NOVEMBER 1990



From The STAFF

TROPO CONTINUES TO DOMINATE TV/FM DX...Quite a few enthusiasts are regarding the 1990 Fall tropo season to be among the most interesting ones of recent years. The openings have been numerous from East Coast to Midwestern locations, and unusual paths have opened up frequently this year. There was something of a revival in Atlantic hurricane activity in October, and the effects were seen on the VHF and UHF bands. As often happens, storm-displaced stable moist air masses caused the best activity, but there were also quite a few conventional tropo openings. With any luck, above average conditions may continue before the colder weather sets in. Most of the "good stuff" now appears to be over--but don't forget about the possibility of sudden "super" tropo openings this month. November has a well-deserved reputation for just those kind of surprises!

BEST FM DX REFERENCE IS UPDATED...FM DX enthusiasts should not be without the latest edition of Bruce Elving's FM ATLAS, just off the presses. There's nothing to compare to this fantastic reference; no DX club, no broadcasting industry publisher, or trade group, puts out anything like it. What's made the ATLAS so valuable to DXers (in addition to Elving's reputation for the most accurate station data in print) is the maps, which allow you to pinpoint station locations during DX openings. Our advice: order the latest edition (see FCC FM NEWS) and ask for Elving's latest catalog with it--it's full of great stuff for the DXer, including selectivity and subcarrier (SCA) modification services.

WTFDA CONVENTION HOST STILL NEEDED FOR '91...As of press time, there were no serious bids for next year's WTFDA convention. Without a volunteer for next year, perhaps it's time to start thinking of '92 instead? Seriously though, it never fails to amaze us when we hear from members who claim that one convention site or another isn't "convienient" in location for them to attend, and then not hear from them when the opportunity to host the event arises. In recent years, we have often only heard from a single volunteer to host the WTFDA convention. Without such great people, there would not have been conventions to attend! In years past, we often had two or three prospective hosts, which would result in a membership vote deciding the site. If you'd like to host Convention '91, please contact us!

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Cover illustration from material submitted by Tom Bryant.

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SATELLITE NEWS

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I hope the resumees of the past 2 issues have been of some interest to you. But nothing remains constant in the world of satellites - so here comes the addenda and errata.

Satcom 1 - Aurora - Feeds to US should be on 21 not 20

Satcom 1 - 5 - add Cal-Span - California State Legislature'
22 - Prime Sports Northwest (add)

Satcom 3 - Bravo and RAI USA move from 4 to 24
Omit Request TV2 to Satcom 4 XPDR 17
American Movie Classics and AVN move from 12 to 14
Omit the Cable Program Guide that was on 14

Telstar 303 - TVN uses XPDR 1 thru 9 also rest of menu unchanged

Westar 5 - Add - CTNA to XPDR 13
Add - Sports Channel - South VC2 - to 16
Move Caribbean Superstation to 6

Spacenet 1 - add - TV Heaven to XPDR 9
- add Check Out newscasts to KU 24 - this is the CNN news service to Supermarket Check-out Counters

Anik C-3 - definately in use for feeds

Morelos 2 - Drop?? - XEWH - Hermosillo XPDR 3
Drop?? - MultiVision - Childrens XPDR 10
?? is necessary unless they are on a tight spot beam not visible here. Perhaps Jim Pizzi has something new on this??

Anik C1 - Omit Chinese service found on 14 in the evenings.

Spacenet 3 - Add - 11 - VC2 PSN???

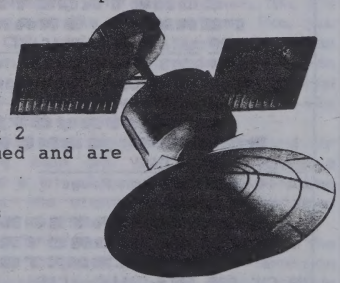
Satcom 4 - Add Request TV 2 VC2 to XPDR 17

Galaxy 2 - Add - Drive-In PPV to XPDR 15
Add - Spice PPV to XPDR 21 (was Rendezvous)

Spacenet 2 - Drop - Drice-In and Spice - move to Galaxy 2
Note - XPDR 10 is Galavision feed to Europe using PAL color format only

PanAmSat - Drop CNN Hybrid on Ku 15
- TP for PanAmSat constant on 12

Intelsat at 27.5 W - Is now V1-F4
TVE Internacional has changed to XPDR 2
Venezuelans are now tightly spot beamed and are now no longer visible here.



That's all for this time see you in 30. '73's

George

Television news

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ABBREVIATIONS USED IN THIS COLUMN:

AATm	Height (meters) above average terrain
AG	Antenna height above ground
ASL	Antenna height above sea level
AZ	Azimuth (North=0°)
BT	Beam Tilt
CIR	Circular polarization
CP	Construction permit
CRTC	Canadian Radio-television and Telecommunications Commission
DA	Directional antenna
ELL	Elliptical polarization
ERP	Effective Radiated Power
FCC	Federal Communications Commission (USA)
HOR	measured along a horizontal plane
MAX	In the direction or elevation of maximum signal strength
MP	Construction permit modification
TL	Transmitter or tower location
+	carrier frequency offset 10 kHz above standard
-	carrier frequency offset 10 kHz below standard
z	carrier frequency not offset

APPLICATIONS FOR NEW TELEVISION STATIONS

ST	CH	ERP	AATm	CITY/APPLICANT
AR	48	2500	342	Jonesboro; Banner Broadcasting Corporation
CA	39	310	405	Bakersfield; Community TV of Southern California
NY	46	63.9	206	Jamestown; Western New York Public Broadcasting Association

APPLICATIONS DISMISSED

NE Omaha; ch.54; Omaha Channel 54 Inc.
TN Knoxville; ch.15; Knoxville Community Broadcasting Inc.; Lincoln Memorial University.

CONSTRUCTION PERMIT GRANTED

ST	CH	ERP	AATm	CITY/APPLICANT
TN	15	2244	513	Knoxville; East Tennessee Public Communicationss Corp

CONSTRUCTION PERMIT CANCELLED

ST	CH	CALLS	CITY
LA	44	WPFT	Baton Rouge

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

ST	CH	ERP	AATm	CALLS	CITY
GA	23	3378	447	WELF	Dalton
KY	40	699	241	WQQB-TV	Bowling Green
LA	45	786	202	KCDN	Shreveport
PA	60	12.2	231	WBPH-TV	Bethlehem
SD	12	275	259	KIID-TV	Huron
TX	47	240	178	KTAQ	Greenville

CONSTRUCTION PERMIT MODIFICATIONS GRANTED

ST	CH	ERP	AATm	CALLS	CITY
AL	34	1128	142	WDAU	Ozark
CA	61	2500	803	KKAK	Porterville
CO	53	5000	191	KWHD	Castle Rock
MI	53	1740	299	WLAJ	Lansing
NC	47	2000	186	WFXB	Rocky Mount

APPLICATIONS TO CHANGE EXISTING FACILITIES

ST	CH	ERP	AATm	CALLS	CITY
AZ	13	302	622	KOLD-TV	Tucson (cp)
AR	51	80.1	140	KFAA	Rogers (cp)
CA	19	5000	590	KCSO	Modesto (cp)
CO	9	316	280	KUSA-TV	Denver (cp)
LA	29	2507	394	KVHP	Lake Charles (mp)
MN	29	4556	373	KITN	Minneapolis (cp)

CHANGES GRANTED STATIONS ON THE AIR

AZ Tucson; KMSB-TV, ch. 11; granted construction permit to change city of license from Nogales to Tucson. Why this needs a construction permit is beyond me. Table of assignments allocates the channel to Tucson-Nogales.

CA Riverside; KRCA, ch.62; granted license to cover cp for changes; see 7/90 VUD.

FL St. Petersburg; WTOG, ch. 44; granted license to cover cp for changes; ERP remains unchanged at 5000 kw max; antenna height reduced 20 meters to 454m AAT/451m AG/474m ASL; same TL.

FL Tampa; WEDU, ch. 3; granted license to cover cp for changes; antenna raised 157 meters ASL to 473m AAT/468m AG/491m ASL; TL 4 miles southeast of Riverview; coordinates 27°49'48"/82°25'59" (Az. 196°, 0.76 mile from former TL); same ERP (100 kw max).

GA Cochran; WDCO-TV; granted license for changes; channel changed from 15 to +29+; ERP raised from 501 kw max to 5000 kw max; antenna height lowered 14 meters AG to 350m AAT/347m AG/463m ASL; same TL.

MD Salisbury; WMDT, ch. 47; granted MP to reduce ERP (?) from 3470 kw max/670 kw hor to 2190 kw max; reduce antenna height 8 meters to 304m AAT/305m AG/312m ASL; Same TL; DA BT.

MA Springfield; WGBY-TV, ch.57; granted CP to raise ERP from 1200 kw max/776 kw hor to 1465 kw max; raise antenna 17 meters to 322m AAT/53m AG/420m ASL; same TL.

NC Durham; WPTF-TV, ch. 28; granted CP to reduce antenna height 12 meters ASL to 585m AAT/579m AG/675m ASL; TL 1.6 miles southeast of Auburn NC; coordinates 35°40'35"/78°32'09" (same coodinates as WRAL-5; WNW 0.5 mile from present TL); ERP unchanged at 5000 kw max; BT.

VA Roanoke; WBRA-TV, ch. 15; granted MP to raise ERP from 631 kw max/283 kw hor to 1820 kw max; reduce antenna 10 meters to 625m AAT/71m AG/1211m ASL; same TL; DA BT.

WI La Crosse; WLAX, ch. 25; granted CP to raise ERP from 501 kw max to 560 kw max; same TL and antenna height (306m AAT/200m AG/570m ASL).

CALL LETTER GRANTS: NEW STATIONS

ST	CH	CALLS	CITY/APPLICANT
CA	51	KVMG	Merced; Wade Axell
CA	31	KVMD	Twentynine Palms; Desert 31 TV Inc.
MT	20	KVME	Billings; Echonet Corp.
NC	23	WWQR	Morganton; GNOL Broadcasting Inc.
TN	15	WKOP-TV	Knoxville; East Tennessee Public Communications Corp.
TN	50	WXJP	Memphis; Kyles Broadcasting Ltd.

TECHFORUM

Several articles sent from BILL NIENAJADLY (Clifton NJ). From the 6/7 *New York Post*, an update on High Definition Television: "An 'all-digital, all-American' high-definition television system developed by a U.S. company has made a last-minute entry in the race to become the U.S. national TV broadcast standard. 'We are leap-frogging state-of-the-art technology,' said Mike Walker, a spokesman for the Video-Cipher division of General Instruments Corp. showcasing the new 'DigiCipher' technology in San Diego." "The [FCC] set a June 1 deadline for proposals on a 'simulcast' system that works on today's TV sets and fits into the existing broadcast spectrum. General Instruments just made it. 'The technologies that we've developed are proprietary technologies that digitize and compress the video signal,' Walker said. 'We reduce the amount of data that is transmitted, but maintain or enhance the quality of the picture. Conventional TVs would receive the standard signal, while the second signal would be broadcast and received on HDTV equipment whose manufacturers pay lucrative royalties to the owners of the technology. Other proposals before the FCC are from NHK, the Japanese broadcasting system; Zenith Electronics Corp., an international consortium of NBC with Dutch and French electronics companies and Massachusetts Institute of Technology. The systems would be tested for 12 to 18 months before the government chooses the standard sometime in 1993."

Meanwhile, the 8/21 *Newark Star-Ledger* reports on other forms of television improvement. "If Americans want to improve their television picture now, scientists at the David Sarnoff Research Center in Princeton may have an idea of vast appeal. Their Advanced Compatible Television (ACTV) system, developed at the laboratories over the past decade, offers a 30 percent improvement in the clarity and detail of a television image. Technically speaking, ACTV is not a [HDTV system.] But ACTV adherents say that the technology could be brought to the American public long before HDTV systems are created and implemented. In addition, Sarnoff engineers have devised a way to squeeze an ACTV signal within the standard [NTSC] signal currently being broadcast over the airwaves so that today's television sets are unaffected and only special ACTVs can decode the information." "The FCC is expected to pick a standard in 1993, but [Sarnoff Research Center president James] Carnes believes it will take much longer to work out the details of a new system before American television viewers will actually be watching HDTV in their living rooms. Proponents of HDTV systems disagree with Carnes, saying that once the FCC makes its decision, the transition to HDTV will take place quickly."

"ACTV falls into the category created by video experts known as enhanced definition, or EDTV, which is viewed as the next step in the evolution of TV technology after today's brand. It requires modest improvements in today's TV transmissions and small changes in the broadcast standards. The improved signal is compatible with today's TV and it will not carry so much additional information as to require greater band width than is available in today's 6-megahertz TV channel." "The decoder in an ACTV television receiver processes the transmitted signal, separating the components and reconstructing the original wide-screen image on the television display. Digital audio information also would be encoded into the signal."

Even more technology in the 8/22 *Star-Ledger*: "Some day in the future, long after the critical decisions about high-definition television (HDTV) have been made, Jules Bellisio [manager of video systems research for Bellcore] believes the real revolution will come. That's when a national fiber optic network connecting every home, office and public building in the country will make possible an 'Information Highway.' And if most homes contain a high-definition television, as he believes they undoubtedly will, a fiber-linked national HDTV system will make the possibilities endless."

"In October 1989, Bellcore researchers working in Livingston conducted an experiment that proved the feasibility of economically transmitting digital HDTV signals over 'broadband' fiber optic networks. They did so by transmitting and receiving a 'compressed' digital HDTV signal over more than 25 miles of fiber optic cable with no loss in picture quality." "In Bellcore's demonstration, an analog HDTV signal is converted into the digital language of electronics and computers producing an information rate of about 622 millions of bits a second. The digital electrical signal is then converted into light and transmitted through the fiber. At the other end of the fiber, the process is reversed."

U.S.A. FORUM

What is a network? You might answer, "Uh, it's like, you know, uh, like the big three, like, you know, ABC, CBS and NBC." Maybe, "It's an interconnection of affiliated broadcast television stations engaged in the transmission of material produced and derived from a common source like you know, ABC, CBS and NBC."

In a sense, if you produce a program and air it over more than one station, you have a network. And a lot of people are eager to use that term for the status it brings, even when they have such a minuscule operation.

In order for the FCC to regulate the influence that networks have over television stations, it became necessary to define exactly what a network is. We see such definitions in *Code of Federal Regulations*, Title 47 (Telecommunication), Part 73 (Radio Broadcast Services), Subpart E (Television Broadcast Services). Section 73.658 (l) (1): "(v) 'Network' means a national organization distributing programs for a substantial part of each

broadcast day to television stations in all parts of the United States, generally via interconnection facilities." "(vi) 'Unaffiliated network' means a network not having an affiliated station...in a particular market, even though it may have other types of agreements or per-program arrangements." Elsewhere in this section mention is made of "the three national television networks."

But a more specific definition is needed to regulate network syndication and program practices. Hence Section 73.658 (j) (ii) (4): "For the purposes of this paragraph and paragraph (k) of this section the term network means any person, entity, or corporation which offers an interconnected program on a regular basis for 15 or more hours per week to at least 25 affiliated television licensees in 10 or more states; and/or any person, entity, or corporation controlling, controlled by, or under common control with such person, entity or corporation." So what is our list of minimum criteria? (1) interconnected, (2) 15 hours a week, (3) 25 affiliates, and (4) 10 states.

Now, how many networks do we have by this definition? Three so far, like, you know, ABC, CBS and NBC. We could include PBS, but section (4) reads, "Nothing contained in this paragraph shall be construed to include any television network formed for the purpose of producing, distributing, or syndicating program materials for educational, noncommercial, or public broadcasting exhibition or uses." There have been other attempts, for example, Home Shopping Network. Home Shopping has the hours, but not the affiliates. The most popular attempt to date is the Fox Broadcasting Network. It has the stations, the states, and the interconnection, but not the hours. At least not yet.

Before we get back to Fox, let's make a distinction between network affiliates, network and program producer. The television station, even if co-owned by a network owner, is an affiliate, and has the right to pre-empt network programming. The network may make its own programs, which is does, particularly news programs and documentaries. But most of your entertainment programs are from other producers, such as Paramount, Viacom, MGM/UA. The networks will buy broadcast rights of a program from the producer if it can find the advertisers to support the program. The producers either sell a program to the network, or put it into syndication, in which case any television station, affiliated with a network or not, can purchase broadcast rights and find its own advertisers.

Now let's look back at this clause, "and/or any person, entity, or corporation controlling, controlled by, or under common control with such person, entity or corporation." We have Fox affiliates, Fox stations, Fox network, and Fox programs. How are they related? Fox Broadcasting Company is the network, and makes contracts with the affiliates to provide programming through an interconnection. Fox Television Stations Inc. is the direct owner of seven Fox television stations, which are also affiliated with Fox Broadcasting Company. Twentieth Century Fox Film Corporation creates the actual programs. (If you don't believe me, check the small print on your Simpsons T-shirt.) All three are owned by parent company Fox Inc., which is itself, I believe, owned by Rupert Murdoch, a former Australian who bought out Twentieth Century Fox, TV Guide, and became an American citizen in order to purchase television stations in the United States. Once Fox expands its network lineup to the 15 hour minimum, it will also become a network by the above definition. And that clause would group Fox Inc. and its three subsidiaries into one network.

The FCC has a law that networks, as described above, are not allowed to sell syndication rights of its own programs, which they had produced themselves, to unaffiliated stations. Nor are networks allowed to purchase any rights from a program producer except the right to air that program over its network. Presently Fox is producing its own programs and syndicating some, such as 21 Jumpstreet, to other stations, even in the same market as Fox affiliates. But once Fox expands its lineup to 15 hours, it legally becomes a network, and would be prevented by law from syndicating its own programs without special FCC authorization.

With that in mind, I proceed to this article from the 7/4 *Philadelphia Inquirer*, written by Michael Hill of the *Baltimore Sun*: "*Financial interest and syndication rules* don't sound like fighting words, but in certain Hollywood precincts they are enough to make Gucci-loafered types break their bottles of designer water and come out slashing.

"However, the bigger fight is being waged in Washington, where the [FCC] is considering a change in long-standing regulations that limit the number of shows that ABC, CBS and NBC can own. The FCC is also weighing a change in the rule prohibiting the networks from syndicating shows — selling their reruns to local stations across the country.

"The rules were adopted years ago, when there was little on television but the Big Three. The idea was to prevent a network stranglehold on the medium, which could be accomplished by their broadcasting only the shows that they produced. That type of monopoly is known as vertical integration.

"Nowadays, the network argue it's a different world. With all the cable channels, with the burgeoning number of independent stations, with satellite technology that allows the instant creation of a network, it's ridiculous that the Big Three are handicapped by these rules. They have a point. Paramount can create a network for *The Arsenio Hall Show* every night and for the new *Star Trek* every week, just as King World can for *Oprah* every day, just as Viacom does for the reruns of *The Cosby Show* every afternoon.

"Those studios get to own the shows and participate in the syndication profits of any other shows they produce. So why can't the networks, which essentially are in the same business, do the same? Well, the producers point out, the networks still dominate the medium. Producers still want to get their series, or movies, or other productions on NBC, ABC or CBS. Imagine the tyranny that could result if the

industry were deregulated. They've got a point, too. NBC could say to some producer, 'OK, you want the Thursday night time slot, then sell us 20 percent of your show for a bargain price.' CBS could say, 'You want to get this show on the air? Only if we get a piece of the syndication action.' and so on."

There is a tendency to dismiss the dispute as something akin to the baseball strike — a bunch of rich people squabbling over huge pieces of a gigantic pie. If reason would prevail, there would be plenty to go around for all. Reason has not prevailed thus far. Last month's FCC deadline passed for the two parties to reach a compromise. To no one's surprise, they failed to do so. As a result, the FCC will probably rule by the end of the year."

"The situation that brought on these regulations definitely has changed. The networks no longer have a stranglehold. But they are still by far the most powerful television outlet."

Another legal battle took place in the Supreme Court, as reported by the 6/28 *Philadelphia Inquirer*: "Handing a surprise victory to advocates of affirmative action, the Supreme Court yesterday approved government preferences for racial minorities to achieve greater diversity in radio and television programming. In a 5-4 decision, the justices concluded that the Constitution's guarantee of 'equal protection of the laws' allows favored treatment for minority broadcasters as approved by Congress."

"The court's ruling covered two cases. In *Metro Broadcasting v. FCC*, a case from Florida, the justice allowed the [FCC] to give special, favorable consideration to a Hispanic-owned television station in Orlando. In *Astroline Communications v. Shurberg Broadcasting*, a case from Connecticut, the court upheld the commission's distress-sale policy, which lets a broadcaster faced with the loss of his license sell to a minority-owned business at 75 percent of the station's market value. The ruling is a victory for a Hispanic-led company in Hartford."

Another piece of news from the 10/4 *Philadelphia Inquirer*: "WYBE-TV (Channel 35), our town's new PBS station, is about to increase its programming from four to seven hours nightly. Since its June 10 launch, 'YBE has been on the air from 7 to 11 p.m. As of Monday, the lineup will run from 5 p.m. to midnight, featuring public-affairs programs, independently-produced films and whatever PBS stuff the station can get for free. Total first-year operating budget for general manager Aaron Ezekiel and his staff of seven is just $450,000. The Roxborough-based 'YBE, not carried on any area cable systems, will have its first fund-raiser Nov. 8 through 18. Goal: $40,000." I read elsewhere that WYBE's fundraiser was scheduled to come just before WHYY-12's.

And for more of the latest in television technology, again by way of BILL NIENAJADLY, we go to Ethridge, TN and the 8/22 *New York Daily News* (in the humor section of the news; it also appeared in the *Philadelphia Inquirer* the same day, via Associated Press): "When folks in this rural county miss Junior's Little League catch or choir practice, they can call Sarah Evetts and have her play the video on her request TV station. That's the way Evetts runs 10-watt W10BV in south-central Tennessee's Lawrence County, about 100 miles south of Nashville. The station's prime time lineup depends on footage of birthday parties, church programs, school ballgames and a local history show called 'A Peek Into the Past.' 'People'll call me up and say, "Sarah, put on that tape of my young'un in that ballgame,"' said Evetts, the station's 66-year-old owner, program director, camera operator and technician. [The *Inquirer* adds, "'Then they'll call me back and bless me out because I didn't catch their kid's good side.'" -wbf] Run as a hobby, W10BV doesn't offer sitcoms, game shows or advertising. It simulcasts the old-movie fare of a UHF station in Florence, Ala., until 6 p.m., when Mrs. Evetts signs on."

"She had trouble getting [FCC] regulators to approve a location for her transmitter until she submitted the coordinates for her home. The transmitter, a metal box about the size of a portable television, sits on a shelf in a cluttered basement room. She estimates her 110-foot tower sends a signal to an area 22 miles by 8 miles. The programs go out with no editing of bloopers and no identifying title or names. 'We don't have to. Shoot, everybody knows who we are,,' she said."

JEFF KRUSZKA (Harahan LA) sent this from the 9/1 *Times-Picayune*, about a 24-hour news and information commercial television station. "The Tourist Channel is available to anyone who can pick up its low-power signal on Channel 55, but it's directed at visitors." "The Tourist Channel, which goes on the air today, is the creation of two Alabama men who run a similar station in Orlando, Fla...." "The Orlando station, available in 42,000 hotel rooms, reaches an estimated 88 percent of Orlando's 20 million annual visitors...."

"Special antennas at hotels and motels in Orleans and Jefferson parishes will pick up the signal and switch it to a low-numbered channel on the hotels' TV systems." Jeff adds, "No sign of this station here in Harahan yet."

JAMES NAHIRNIAK (Warren MI) cautions that anybody seeing WJBK-TV (ch. 2, Detroit) identifications on channel 38 is actually watching WADL-38 in Mt. Clemens MI. "WADL-38 is currently repeating Channel 2's 5pm newscast at 8-8:30 pm, and channel 2's 6pm news from 9-9:30. In addition, the 11pm news is simulcast on both stations. The two stations are involved in other business ventures as well." "According to an article in the DETROIT NEWS, the cooperation began when channel 2 was looking for a way to relay signals from its remote news units from northern and eastern Macomb County, and Channel 38's new tower was an ideal relay location. I wonder if channel 38 will begin running CBS programs not carried on channel 2. Currently, the CBS late night offerings are seen locally on WGPR-62

"I believe that I read in a past issue of your column that Weigel Broadcasting in Milwaukee owns full-power WJDT-58, as well as LPTVs or translators in the same market. If this is true and legal, it seems to me that it would be a good business move for a full power network affiliate to operate a LPTV, using their existing tower, staff, and equipment. The LPTV would be

programmed with repeats of newscasts, programs that the main station owns but is not currently using, and network programs that they don't run. If a full power station cannot own the LPTV, they could work out a business deal like channel 2 & 38 have done. In Detroit, WDIV-4 would be an ideal candidate for such an arrangement, They pre-empt so many NBC programs for Tiger Baseball, local programs and movies, that NBC is looking at buying WJBK-2. This rumor surfaced again recently after NBC sold controlling interest in WKYC-3 Cleveland, allowing them to buy another station."

FRANK ADEN (Boise ID) reports, "K10MY and K43BE are now running 'VIDEO JUKE BOX' and actually running local dual IDs!"

Also from Frank, this article from the 9/27 *Oregonian*: "...there are plans for still another Portland television station to go on the air next year. Portland is served by five commercial stations, a station that's just about all commercials out of Salem, a public station and a religious television broadcaster. And that's not counting what more than half the population has in the way of cable. It's a crowded field.

"KCFV will operate on UHF Channel 40. Steve Whitehead, general manager of KCFV, would not say when the station plans to be on the air, only that it would be some time next year. 'We plan to operate as a locally oriented, family oriented, independent television station.'" (Translated into English, that means syndicated reruns and public-domain movies. -wbf)

Channel 40 has been allocated to Portland by the [FCC] for several years, but plans to put the station on the air were postponed when KPDX (49) started broadcasting in 1983. It is conventional wisdom that the advertising market cannot absorb more than one new station at a time.

"News that there was some activity with the channel came this week with the announcement by Star Television Network [See John Ebeling's report, to follow. -wbf] that it would begin a national network service linking some 30 cities on Saturday. Star plans to broadcast old television series, movies and 'infomercials' — program-length direct response commercials. Stations in this group will have access to all of Star's programs provided they carry four hours of the infomercials each day.

"Portland was listed as one of the initial 30 stations, but Whitehead said the Dec. 1 startup date listed by Star was in error." "...KCFV has yet to acquire a transmitter or an antenna site. 'We're negotiating for all that,' Whitehead said."

Several articles from various issues of the monthly *TV Technology* come by way of TOM YINGLING (Dundalk MD). One article reports that WNET, PBS channel 13 in Newark NJ launched a SAP (Separate Audio Program) called Thirteen FM, which "offers a wide range of audio enhancements to Thirteen programming, including descriptive narration and simultaneous language translation, to viewers who have access to a stereo television."

Another article discusses channel 27 in Portsmouth VA: "When Centennial Communications bought WYAH-TV channel 27 from Pat Robertson and the Christian Broadcasting Network, the company launched a full-blown media campaign to shed the station's new name, WGNT-TV. WGNT-TV turned to Norfolk based ad agency Davis & Phillips, which developed the 'We're Changing The Channel' campaign to promote the station's new image, ownership and programming through on-air logos, graphics, music and promotional activities. 'At a time when viewers are choosing to watch individual programs and not stations or networks, the reworked '27' is being merchandised for today's television viewer,' said Steve Bullock, agency account executive.

This article on must-carry rules for cable television: "The battles are continuing in Washington to find a broadcast industry and cable industry compromise on must - carry legislation. But there appears to be little hope in sight. Congress seems to be in a regulating mood when it comes to cable. (Isn't it always? - wbf) Senator John Danforth (R-Missouri) is getting ready to introduce a bill that would regulate cable systems nationwide." "Many broadcasters would also like to see legislation introduced to restore the so-called must-carry rules, in which a cable system must carry all local over - the - air broadcast signals. Broadcasters would also like to see copyright laws changed that they say too often favor cable systems. Broadcasters complain that some cable systems do not carry all of the local channels in favor of satellite networks. They also complain that many of the over-the-air channels carried are not carried on the favorable low-channel numbers, such as 2-13 on most systems."

How are LPTV stations doing in the ratings systems? "More viewers are watching their low-power television station, according to statistics provided by A.C. Nielsen and Arbitron, the broadcast rating services. Nielsen requires that a station show at least a 2.5 percent share of viewership between 7 a.m. and 1 p.m. to be included in its surveys. Currently, 18 LPTV stations are credited in their home market reports and an additional 179 could show reportability in the near future. Since 1986, 209 markets measured by Arbitron showed a 300 percent increase in viewership of LPTV stations. The statistics were released at the second annual LPTV conference and exposition held in Las Vegas.... What allows LPTV stations to compete with network affiliates and independents is their emphasis on local programming...."

This other article gives more insight into the progress of LPTV. "In June [1989], there were 665 licensed LPTV stations in the United States. About 240 of these were in Alaska, used mostly for an educational network. Trinity Broadcasting operates about 100, strictly as translator stations, and others are run as subscription TV services, as translators for other LPTVs, by the Public Broadcasting Service and by various colleges and universities. In addition, there are more than 200 'true broadcasters' generating their own community-oriented programming.

"John Kompas, president of the Community Broadcasters Association (CBA) in Milwaukee, estimates there are about 15 new LPTV stations coming on-line each month."

"Because about 72 percent of the LPTV

stations are privately-owned, it is difficult to gauge the overall economics of the industry. But Kompas said public companies like Channel America and Video Jukebox Network are doing well." "Kompas said the biggest concern of LPTV operators is the second class status that has been imposed upon the service. 'Many of our stations are operating in the public interest, broadcasting a minimum of 14 hours per week of local programming,' he said. 'Our strength is in localism, and it is absolutely ludicrous for our stations to be thought of as second class in any way.'

"Channel 54, W54AF, serves an area of about 35 miles around Bucyrus, OH, about 60 miles north of Columbus. Bill Allonas, partner and general manager of Allonas Communications, said his LPTV has filled a niche by broadcasting local news, talk shows, high school sporting events and a variety of syndicated programs. 'Just because Columbus, Cleveland and Toledo stations are received in our county, we don't see our own news,' he said. 'So there is a need for our service.' Allonas believes the most successful LPTV stations are located away from the big markets where they can better serve local broadcasting needs."

Operating an LPTV station in a Top 50 market also presents many challenges. Bob Lyons, general manager, of Channel 8, W08BV in Columbus, said competing against three full-power affiliates and an independent dictates what you will be and who you will be to survive." "The advantage of being in a big city market is the large number of businesses and ad agencies located there, Lyons said." "Rural LPTV stations have fewer potential advertisers, but also less competition for ad dollars, he said."

RONALD PURDUE (Byron MN) reports that KXLT-47 Rochester MN is back on the air after being off for nearly two years. Programming consists of "TV Heaven" programs which Ronald describes as "bottom-of-the-barrel," and paid commercial programming.

More on TV Heaven from JOHN EBELING (Bloomington MN), from a local paper dated 9/29: "If you want to go to 'TV Heaven' you'll have to unlock your cable first. At least for the time being, no cable system in the Twin Cities area is clearing space for 'TV Heaven 41,' also known as KXLI-TV, which is scheduled to resume broadcasting at 2:30 p.m. today after an absence of nearly two years. In its new incarnation, the St. Cloud-based independent station won't be an isolated oasis of old TV series but, rather, part of a 'TV Heaven' network of UHF stations.

"After KXLI ceased operation in December 1988, its owner, Dale Lang, rethought the 'TV Heaven' concept and decided it would be more feasible financially if a whole string of stations carried the cleverly repackaged old TV series, reducing their operating costs in the process. Lang formed STAR Television Network, based at Universal Studios in Orlando, Fla., and began lining up independent stations to receive STAR's programming via satellite. The 30 stations that have signed up so far will receive 22 hours of programming daily, with the option of carrying all of it or as few as four hours

"The new 'TV Heaven' differs from the old in a couple of ways. One is that instead of themed nights, the new service will have themed day parts, including an afternoon game show bloc, a Western hour every day at 6 p.m. and a 90-minute comedy bloc at 9 p.m. The other, more significant, difference is that the oldies will share the schedule with what STAR Television calls 'direct response infomercials,' which are program length (and program-like) commercials aimed at getting the viewer to dial an 800 number and order merchandise."

Now we know where all those old syndicated programs go when they finally die. They go to TV Heaven.

John also adds, "Looks like the shopping channels 62 and 07 have died. Nothing seen on either channel for several months now. At the end of activity, ch 62 was running the audio of WLOL-FM."

KEN ONYSCHUK (Riverdale IL) reports, "...an NRC member from West Suburban Naperville...told me about a new TV stn that s/on in August. Ch. 30 WFXV Plano, Ill. It will serve the local Aurora area w/a 25 mi radius." "Haven't seen it yet - or read about it. Just tied for it. Not a sign of a signal. I'm about 42 mi. E of Plano. Need some help here." If there is such a station, it's LPTV, and WFXV wouldn't be its real call letters. Nor is it likely to reach a 25-mile radius.

A few articles from BRUCE ELVING (Esko MN). The 5/6 *Dallas Morning News* describes yet another LPTV operation. "Harry Tootle wants to own a television network.... Mr. Tootle says he can do it by owning several inexpensive low-power television stations." "Tootlevision Broadcasting went on the air April 13, becoming Tulsa's first 24-hour, non-religious television station. It featured talk shows, old movies and sports. But 72 hours later, lightning struck the station and knocked it out for what Mr. Tootle hopes will be only 60 days. And not being easily discouraged, Mr. Tootle also hopes to launch another station in that time." "'...you only need a 100-watt transmitter, which costs as much to run as an air conditioner in your house,' he said. To run his station, seen on Channel 33 in Tulsa, Mr. Tootle tapped a variety of resources. He bought old equipment from traditional television stations and developed some of his own electronic equipment. He operates programming on a personal computer. His operating cost is $50,000 per year."

"'One of my favorite examples of what people can do with LPTV occurred in a small town in Arizona,' Mr. [John] Kompas [president of Community Broadcasters Association] said. "The school board president was running against the mayor for the mayor's position. The election got clouded with a lot of mudslinging. The LPTV operator got this crazy idea and invited the board president and mayor to a mud-wrestling match. Mud wrestling. You know what kind of ratings that had?'"

More from Bruce Elving, Larry Fuss, Tom Yingling and Dave Sinclair next month, I hope. My disk drive just started making squeaking sounds.

FCC FM NEWS

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Contributions earnestly solicited!

New FM Station, Translator Grants

AL Fort Ruckar 93.1 3000 h,v; 100 m, Sky Way
AZ Tucson KCDX-2 105.3 20 w booster of Kearny station on 105.1 (but moving to 105.3)
AZ Tucson—Mt. Bigelow KCDX-1 105.3, 20 w
AR Clarksville 106.9 3000 h,v; 100 m, J. L. Richardson [Chicago IL, via satellite)
AR Jonesboro K206AB *89.1 (WMBI-FM 90.1/
CA Lindsay 103.3 530 h,v; 229 m, L. Bcstg.
CA Morro Bay 99.7 450 h,v; 299 m, M. B. Investment Co. [Star Communications
CA Rohnerville 100.5 160 h,v; 525 m, North/
CA Santa Maria K218AF *91.5 (WMBI-FM 90.1 Chicago IL)
CO Alamosa K207AD *89.3 (WMBI-FM)
CO Lamar K207AC *89.3 (WMBI-FM) [J. Lamons
FL Five Points 106.5 3000 h,v; 100 m, Carol/
FL Panama City W202AB *88.3 (WMBI-FM 90.1 Chicago IL)
GA Albany W202AE *88.3 (WMBI-FM) [Ltd.
GA Jeffersonville 97.5 3000 h,v; 100 m, ALP,/
GA Waynesboro WAGW 107.1 3000 h,v; 100 m, Clifford Jones [Brandt Bcstg.
IL Christopher 103.5 6000 h,v; 100 m,/
IL Farmington 95.7 3000 h,v; 100 m, R. M. Mason [Metro Media of KY
IL Golconda 105.1 3100 h,v; 137 m,/
IL Kankakee *91.1 1800 h,v; 93 m, K. Community College [Kent Lankford
IL Newton 106.9 3000 h,v; 100 m, S./
IN Bicknell 105.7 3000 h,v; 100 m, R. M. Mason
IN Greenwood 106.7 3000 h,v; 100 m, Greater Greenwood Bcstg. [90.1 Chicago IL)
LA New Iberia K213AE *90.5 (WMBI-FM/
MI Whitehall 102.5 1700 h,v; 130 m, Pyramid Bcstg. [m, Radio Ingstad
MN Deer River KXGP 105.5 1000 h,v; 149/
MN Lakeville 105.1 1100 h,v; 147 m, Southern Twin Cities Area Radio [m, MN Pub. Radio
MN St. Peter *91.5 8500 v[ertical only]; 183/
MS Columbus 94.9 29500 h,v; 150 m, Golden Triangle Radio
MS Lucedale 106.9 3000 h,v; 84 m, Allen Bcstg.
MO Cassville 100.1 1000 h,v; 151 m, the Wodlingers [90.1 Chicago IL)
MO Kirksville K214AE *90.7 (WMBI-FM/
MO Ozark 92.9 3000 h,v; 100 m, Dorothy S. Lemmon [Telecom. Comm., to be $
NE Bassett *90.3 100000 h,v; 394 m, NE Ed./
NE Chadron *91.9 8400 h,v; 103 m, NETC, $
NE Merriman *91.5 100000 h,v; 294 m, NETC, $
NE North Platte *91.7 16400 h, 18100 v; 257 m, NETC, $ [WSKG Public Telecomm.
NY Oneonta *91.7 680 h, 2800 v, 146 m,/
OK Byng 100.1 50000 h,v; 150 m, Central OK Communications [Eads Bcstg.
OR Brownsville 102.3 350 h,v; 293 m,/
OR Gleneden Beach 100.7 8400 h,v; 357 m, Stephanie Linn
PA Harrisburg *88.1 260 h,v; 66 m, Temple U.
PA Mountaintop 97.1 3000 h,v; 100 m, Fairview Communications [m, Prospect Communications
TN Lawrenceburg 97.5 1800 h,v; 128/
TN Smyrna 94.1 3000 h,v; 100 m, S. Bcstg. Corp.
TX Huntsville 94.9 3000 h,v; 100 m, Helen M. Cassy [(WMBI-FM 90.1 Chicago IL)
TX Paris K209AH *89.7/ [Foundation
VA Marion *91.9 3200 h,v; 454 m, VA Tech./
WA Seattle (Alki Beach) K201-- *88.1 (KPLU 88.5 Tacoma), on air. "Alki Point in West Seattle is down a steep bluff on the waterfront and needs this along with the KISW 99.9, KZOK-FM 102.5 and KIRO-TV 7 translators to get clear signals."
WY Cheyenne K204AC *88.7 (WMBI-FM 90.1 Chicago)
ON Toronto 92.5 89500 h,v, to be k, $, Rawlco Ltd., one of 11 applicants for this frequency. With CFGM 640 AM going to "hard rock" from country, the CRTC reasoned there is a need for a country FM station in Toronto. Loser Milestone Communications, Ltd. has appealed the decision, contending a station for blacks is more needed. "As blacks we may be visible, but unhappily we are used to being overlooked."

Temporary Station

BC Vancouver VFN---- 91.3, mono, with simulcast of CBC-TV audio coverage of the Molson-Indy Cart Race, 10 w, intended for race patrons only. Local reporter was able to find a few spots "32 km away in the pickup. K217AY *91.3 Orcas Island covers Vancouver quite well, so this reduced its coverage. Station only on during actual race; otherwise, carrier off. No calls heard. I got the prefix from the DOC, but forgot the four numbers afterward."

Call Letters Assigned

AL Decatur *91.7 WYFD (WBQM)
AL Florence 96.1 WXFL
AK Anchorage 92.9 KWQJ
AR Lowell 101.9 KISK
CA Burney *89.7 KNCA
CA Ford City 102.1 KZPE
CA Fort Bragg 96.7 KZPB
CA Indio 102.3 KRCQ
CA Lakeport 98.3 KXBX-FM (KXBX)
CA Sacramento *88.9 KXJZ (KXPQ)
CA San Luis Obispo 97.1 KWQH
FL Bonita Springs 96.1 WRXK-FM (WRXK); AM is in North Fort Myers
FL Mount Dora 107.7 WMGF (WJYO), "Magic"
FL Palm Bay *88.5 WJIK [er 102"
GA Augusta 102.3 WOPW (WGUS-FM), "Pow-/
GA Blakely 93.1 WDKZ (WBBK-FM), still k
GA Gordon 107.1 WMRW (WYGO-FM)
GA Griffin 97.7 WQUL (WKEU-FM), o, "97.7 Kool FM," SMN Kool Gold, ID with Jonesboro
GA Ocilla 98.5 WSIZ-FM
HI Wailuku 95.1 KAOI-FM (KAOI)
IL Carlinville 95.9 WCNL
IN Anderson 98.7 WQME; out of sequence, FM Atlas-13, p. 108
IN Lebanon 100.9 WIRE (WBCI)
IN South Bend 106.3 WGRT
IN Terre Haute *88.5 WXKF
IA Des Moines 93.3 KIOA-FM (KDWZ), simulcast with 940 AM. "This is the third FM/AM simulcast combination in the market—effectively giving it three fewer stations."
IA Eldora 99.5 KXGA
KS Topeka 107.7 KMAJ-FM (KMAJ)
KS Wellington 93.5 KWME (KZED)
LA Alexandria 93.9 KWQI
LA Arcadia 92.5 KWQN
LA Ersth 107.7 KXKW (KRAR)
LA Vivian 95.7 KNCB-FM
ME Fairfield 93.3 WEZO (WUMH)
ME Thomaston 106.9 WAVX
MD Federalsburg 107.1 WDLE"-FM" (WDLE-FM), but station is silent; may be bought by a former employee [h,v;-32 m
MA Amherst 100.9 WRNX (WHCI), to 6000/
MI Lapeer 103.1 WWGZ-FM (WWGZ)
MI Marquette 103.3 WFXD (WRUP)
MN Fosston 107.1 KKCQ-FM (KKDQ)
MN St. Cloud 104.7 KCLD"-FM" (KCLD-FM; AM gets new calls)
MN Thief River Falls 99.3 KKDQ (KKAQ)
MS Houston 93.3 WSYE (WCPC-FM), rm, "Sunny"
MO Ash Grove 104.1 KZPD
MO Boonville 99.3 KCLR-FM (KDBX); KCLR AM is in Rolla TX
MO Perryville 93.1 KBDZ (KRAA)
NE Lincoln 105.3 KXGH [p, "Z-Rock"
NV Incline Village 100.1 KZAK (KLKT),/
NM Albuquerque 101.3 KWQK
NM Dulce *90.5 KCIE (KJAT)
NY Avon 93.3 WXME
NY Hoosick Falls 97.5 WNGN
NY Lake Luzerne 94.7 WZBR
NY Mount Hope *90.1 WXHD
NC Fairmont 100.9 WSTS (WZYZ), g, "southern gospel" [Drake easy listening
NC Shallotte 106.3 WCCA (WPGO), b,/
OH Cadiz 106.3 WWYS (WFNN)
OH McArthur 98.7 WXMF
OH Ripley 99.5 WXKD
OH Upper Sandusky *90.1 WXML
OR North Bend 107.3 KACW
PA Avis 99.9 WYPR (WHUM), r, "Power 99.9," ID with Williamsport, but not with Lock Haven any more
PA Berwick 103.5 WZWB
PA Johnstown 96.5 WKOS-FM (WJNL-FM), r (AC/oldies), "Kiss"
PA Meyersdale 93.3 WQZS
PA Mount Carmel 99.7 WXMH
PA Tunkhannock 107.7 WYMK (WEMR-FM), to be mr, $, with author Peter Hunn, Fulton NY, to be a part owner. Was to have come on air last month.
SC Bishopville 93.7 WXMA
SC Easley 103.9 WLWZ-FM (WLWZ); AM is in Spartanburg
SD Salem KIKN (KSML)
SD Sioux Falls 103.7 KRRO (KKRC)
TN Donelson WAMB-FM1 106.7 125 m, (75 watts h,v) d-a to the SSE ("matching the AM night pattern"), to be $, m. "Operation will be sunset to sunrise, nighttime only." Expected on air soon. . . to help resolve problems WAMB AM has had with nighttime Cuban interference on 1160 kHz, by "special temporary authority" of the FCC.
TN Henderson 107.7 WHHM-FM
TN Seymout 96.3 WJBZ
TX Austin 98.1 KVET-FM (KHFI), k, no nonID, saying "K-Vet Country 98 FM, KVET."
TX Bay City 96.1 KXGJ
TX Beaumont 94.1 KQXY"-FM" (KQXY-FM; AM in Nederland gets new calls)
TX Brownsville 100.3 KTEX (KTXF), still "K-Tex 100"
TX Bryan 99.5 KBMA
TX Georgetown 96.7 KHFI (KQFX). Before call change was approved gave an odd ID: "KQFX Georgetown [brief pause]. K-96.7 is KHFI Austin."
TX Kanedy 92.1 KTNR (KKCR calls not used)
TX Liberty 99.9 KSHN
TX Muenster 106.5 KXGM
TX Rosenberg 104.9 KMIA (KFRC-FM), Spanish, l, "Radio Mia," ID with Houston
UT Salt Lake City 103.5 KRSP"-FM" (KRSP-FM; AM in South Salt Lake gets new calls)
VT Derby Center 92.1 WMOO, to be o, Drake
VT Rutland 94.5 WHWB-FM (WKLZ), k

VT Sunderland 95.1 WJAN
VA Chase City 99.9 WFXQ
WA Camas 94.7 KWQM
WA Dishman 106.5 KWQL
WA Goldendale 102.3 KZPC
WV Clarksburg *90.1 WZWA
WV White Sulphur Springs 93.3 WXMD
WI Brillion 96.3 WEZR (WLWR)
WI Lancaster 97.7 WGLR-FM (WALR), to 3900 h,v (72 m)
WI Spooner 106.3 WXMG
WI Sturgeon Bay 99.7 WHET (WQZZ)
NS Halifax (Bedford) 96.5 CIEC, "96.5 Sun FM," and owned by Athur J. Hustins, Jr., with its easy-listening automation system computer controlled by touching a color bar on the screen

See Also October VUD For:

AR Barling KOLX 94.5 Oldies 94, Bugaj, p. 15
AR Yellville KCTT 97.7 need to know if this station has stereo—Fela, p. 16. I also asked this question last month in response to Allen's report in Sept. (p. 40). [Pugh, p. 22
CO Alamosa KALQ 93.5 Q-93.5,/ [p. 20
FL Fort Myers WAYJ *88.7 †X, 67, Ebeling,/
IA Eddyville KKSI 101.5 Kiss FM, Ebeling, p. 20; has $[stereo] [p. 21
KS El Dorado KBUZ 99.1 K-Buzz, Coniglio,/
KS Iola KIOL 99.3 ID with Chanute, Fela, p. 16
KS Larned KYSG 106.9 may have moved to 105.9, Allen, p. 23. No indication from the FCC this might happen. This would be a good station for others in the area to try to check on. If so, I'd like to know if it has stereo and its format.
LA Columbia KCTO-FM 103.1 Oldies 103 (from "Gospel 103"), Fela, p. 16
MI Baraga WXNL 104.3 is it stereo and what is its music format? Hall, p. 17 [lio, p. 21
MI Harbor Springs WLTQ 103.9 rk, $, Conig-/
MI Hastings WBCH-FM 100.1 k, Coniglio, p. 21
MI Tawas City WDBI 107.3 (from 101.7), "Around the Dials," p. 20 [p. 21
MI Traverse City WLDR 101.9 mr, Coniglio,/
MS Jackson 96.3 has new calls, WJDX (from WSLI), Allen, p. 23; similar to former 620 AM calls
NE Hastings KCNT 88.1 on air (Allen, p. 23), but its signal is so poor I doubt it is anywhere near its 2300 h power; almost unreceivable in nearby Grand Island NE
NY Montauk WMNK 104.7 off air, Sprachman, p. 6. Note East Hampton 96.7 is without call letters. It won't be WVEH, and could be a long time a-building.
NY Oswego WZOS 96.7 is $, rm, Coniglio, p. 21
NC Edenton WBXB 100.1 sg, same calls, Sittel, p. 25 ["Kix Radio"), Laun, p. 22
NC Elizabeth City WKJX 96.7 96-X (from/
NC New Bern WIKS 101.9 Kiss 102—same nonID as WCKZ 101.9 uses, Laun, p. 22.
NC Plymouth WPNC-FM 95.9 96 Country, Sittel, p. 25 [FM 104.7," Laun, p. 23
NC Tarboro WCAS (was WAZO), "Class/
NC Windsor need to know if WDRP 98.9 has stereo, Laun, p. 22
OH Nelsonville 107.7 list calls as WSEO, not WAIS, and need to know if it has stereo, "Around the Dials," p. 19
OK Okmulgee KTHK 94.1 ID with Tulsa, Buntin, p. 25
OK Tulsa KVOO-FM 98.5 list as 98 Country, but might it have changed to "Country 98"? Bugaj, p. 15
SC Mullins WCIG 107.1 "Hot 107," s format, Sittel, p. 24. Add to FM Atlas-13, p. 186—is $, 100, 3000 h,v.
TN Oliver Springs 98.7 add WXVO calls to FM Atlas-13, p. 124. See "Around the Dials," p. 20.
TX Texarkana KKYR 102.5 is Bugaj's mystery station. Note format change to k, p. 15.
VA Bridgewater WRDJ-FM 105.1 o, "Around the Dials," p. 20, and change from WA in FM Atlas [k, "Around the Dials," p. 20
VA Cedar Bluff WYRV-FM 107.7 is mono,/
VA Rocky Mount WZBB 99.9 B-99.9, but what is its format and is it stereo? Sittel, p. 25.
VA Woodstock WAZR 93.7 mono, remove stereo listing, "Around the Dials," p. 20
WY Riverton KTAK 93.9 Big 94 FM (from "K-94"), Bugaj, p. 15

Facilities Changes Granted

AL Haleyville WJBB-FM 92.7 100 m (3000 h,v)
AL Tuscaloosa WTUG 92.9 (from 92.7) 12500 h,v; 299 m
AR Lake Village KUUZ 95.9 6000 h,v (100 m)
AR Monticello KHBM 93.5 3200 h,v (104 m), adds vertical polarization
CA Long Beach KLON *88.1 30000 h,v; 129 m
CA McFarland KSUV 102.9 25000 h,v (100 m), B1, still mono
CA Pleasanton KSAN-1 94.9 300 h—may result in deletions of KSAN-2 Walnut Creek and KSAN-3 Danville, as the newly-improved KSAN-1 will serve all three areas
KSOL-1 107.7 300 h
CA Quincy KQNC 102.1 (from 101.9) 1900 h,v; 645 m, but so far "no sign of KQNC on 102.1," even though Shingle Springs has moved (see below)
CA Riverside KUCR *88.1 750 h,v; 89 m
CA San Jacinto KWRP 96.1 60 watts h,v; 464 m
CA Shingle Springs KLIQ 101.9 (from 102.1) 4100 h,v; 252 m, B1
CA Temecula KRTM *88.9 2450 h,v; 100 m
CO Carbondale KDNK *90.5 220 h,v; 853 m
CO Security KBZE 105.5 410 h,v (680 m), C3
CO Vail KSKE-FM 104.7 239 m (100000 h,v)
FL Cocoa WLRQ-FM 99.3 50000 h,v; 150 m, C2
GA Cleveland WGGA-FM 101.9 3200 h,v (100 meters above average terrain)
GA Eastman WUFF-FM 92.1 4600 h,v; 111 m
GA Valdosta WZLS 96.7 50000 h,v; 150 m, C2
GA Waynesboro WYFA *100.9 6000 h,v; 100 m
HI Kailua-Kona KLUA 93.9 (from 93.7 and before that 93.5) 40000 h,v; 892 m, C
ID Grangeville KORT-FM 92.7 360 h,v; 717 m
IL Aurora WYSY-FM 107.9 21200 h,v; 232 m
IL Bethalto WXJO 95.5 6000 h,v (100 m)
IL Normal WGLT *89.1 25000 h,v; 115 m
IN Attica WBQR 95.7 4100; 118 m
IN Earl Park WIBN 98.1 (from 98.3) 25000 h,v; 100 m, B1 [50000 h,v; 127 m, C2
KS Hiawatha KNZA 103.9/ [m (3000 h,v)
KY Liberty WKDO-FM 98.7 (from 105.5) 73/ [m)
MD Prince Frederick WMJS 92.7 2100 h,v (172/
MI Glen Arbor WMLB 98.1 7900 h,v; 180 m, C3
MI Lansing WJIM-FM 97.5 50000 h,v; 150 m, adds v
MI Tawas City WDBI now on 107.3 (from 101.7)
MI Zeeland WJQK 99.3 4700 h,v; 113 m
MN Northfield WCAL-FM *89.3 97600 h,v; 308 m, transmitter Rosemount MN, closer to the Twin Cities [m, C3
MS Gulfport WGCM-FM 102.3 25000 h,v; 91/
MS Picayune WZRH 106.1 (from 106.3) 50000 h,v; 150 m [h,v; 156 m, C2
MO Willard (new) 105.1 (from 100.5) 46000/
MT Missoula KZOQ 100.1 12000 h,v;-60 m
MT White Sulphur Springs K252AD *98.3 has KUFM 89.1 Missoula on it (not KGPR *89.9 Great Falls). KGLT Bozeman is "working on getting a translator in Livingston MT."
NE Bennington KRRK 93.3 3600 h,v; 130 m, d-a
NV Moapa (Valley) K257--99.3 (from Logandale)
NJ Pomona WLFR *91.7 900 h,v; 46 m
NY Clyde WRCD 93.7 2300 h,v; 111 m
NY Montauk WMNK 104.7 6000 h,v (100 m)
OH Chillicothe WFCB 94.3 6000 h,v; 81 m
OH Coal Grove WXVK 97.1 3000 h,v (144 m)
OH Lancaster WSWZ 103.5 5400 h,v (100 m)
OH Westerville WOBN *101.5 (from 105.7)
OR Baker City (name change from Baker); affects K218BC *91.5, KKBC 95.3, KCMB 104.7
OR Bend KIDD 98.3 7000 h,v (215 m), C3
OR Burns K211BF *90.1 (from K219BY 91.7)
OR Halfway K217-- *91.3 (from K219BI 91.7)
OR Hood River K232CK *94.3 (from K213AW 90.5)
OR Redmond (from Black Butte Ranch) K206AV *89.1. Black Butte Ranch is served by K201BP *88.1; this move is planned—the translator is unbuilt
OR Wagontire (from Riley) K212AQ *90.3. Wagontire is 44 km SW, but translator still serves Riley. [m), adds d-a
PA Benton WBNE 95.9 6000 h,v (100/ [m)
PA Phillipsburg WPHB-FM 105.9 4800 h,v (66/
PA Susquehanna WKGB 92.5 1300 h,v; 216 m
SC Cayce WYYS 96.7 1650 h,v; 135 m, non-DA
SC Hardeeville WWDR 101.1 50000 h,v; 150 m, C2 [100000 h,v; 155 m
SD Porcupine KILI *90.1/ [m, C1
SD Hot Springs KZMX 96.7 51000 h,v; 168/
TN Graysville WAYB 95.7 550 h,v; 221 m
TX Elgin (new) 92.5 1300 h,v; 147 m
TX Lubbock KEJS 106.5 (from 106.3) 34000 h,v; 179 m [87 m, C3
TX Mineral Wells KYXS-FM 95.9 25000 h,v;/
TX Muleshoe KMUL-FM 103.1 123 m (3000 h)
TX Tyler KVNE *89.5 d-a (directional)
UT Richfield KKWZ 93.7 35700 h,v; 919 m
VA Pulaski WPSK 107.1 420 h,v (369 m)
WA Clarkston K276DF 103.1 (from from 90.3), changes primary to KRFA *91.7 Moscow ID [from KFAE *89.1 Richland WA])
WA Deer Park KAZZ 107.1 25000 h,v; 77 m, C3
WV Dunbar WBES-FM 94.5 8500 h,v; 160 m, B1
WI Beaver Dam WXRO 95.3 6000 h,v; 100 m

Stereo—Or to be $tereo

CO Gunnison KGUC-FM 98.3, now b. †P, 67 kHz, starting soon [of 9-18
FL Tallahassee WFSQ *88.9, heard testing as/ WFSU *91.5, but correctly turns off its stereo for non-music programs
IL Henry WRVY 100.5
IA Eddyville KKSI 101.5, r, "Kiss FM"
NY Catskill WQKZ 98.5 r (mainly top 40), "Z-98.5" (strict)
NY Oswego WZOS 96.7, rm
PA Lewisburg WUNS 96.3, r, heard testing
TX Harker Heights KLFX 105.5
WA Centralia-Chehalis KMNT 102.9, still k, "K-103," but correctly turns off its stereo generator during baseball and football games. "Areal, true small-town station. Very refreshing, with lots of community oriented public affairs, sports and issues."
WI Columbus WYKY 100.5
WI Wisconsin Public Radio, stations statewide, 88.3 to 91.3, now remove their stereo pilot daytimes when carrying talk shows. "We will have the ability to remotely switch the programming of all the stations, including turning on and off the stereo generators."

Monophonic

VA Cedar Bluff WYRV-FM 107.7, k
VA Woodstock WAZR 93.7, remove stereo listing. It has moved from 95.9; facilities change to 10000 h,v (-3 m)

Format Changes

Formats are the same as in the "FM Atlas"

CA Colusa KKCY 103.1 o, SMN Pure
CA Palm Desert KEZN 103.1 mr, "soft AC"
FL Punta Gorda WQLM 92.9 mr, having moved from 92.7
FL Sarasota WSRZ 106.3 o[ldies]
GA Athens WALR 104.7 sr, "Love 104.7" (from "Light 104.7"), black AC
GA Dawson WAZE 92.1 o, SMN Kool
GA Fort Valley WQBZ 16.3 rp, ID with Macon, instead of with Warner Robins

IL Champaign WHMS-FM 97.5 mr
IL Joliet WJTW 93.5 rm, Unis. 41
IL Polo WLLT 107.7 m, $
IN Elkhart WYEZ 100.7 mr, "all vocals. This leaves WEFM 95.9 Michigan City as the only b formatted station" in the area. Also, WWJY 103.9 Crown Point IN has both band r, but in the other direction, "no b station 'til you get to Marion WMRI" 106.9.
KS Goodland KKCI 102.5 rm
KS Topeka WIBW-FM 97.3 k
KS Wichita KEYN 103.7 o
KY Cadiz WBZD 106.3 mr, Drake
KY Henderson WGBF-FM 103.1 r
KY Hodgenville WKMO 106.3 k
KY Prestonsburg WXKZ-FM 105.5 rm
KY Williamsburg WEZJ-FM 104.3 k
LA Houma KCIL 107.5 k, "Bayou Country," no longer IDing with New Orleans
LA Jonesboro KTOC-FM 104.9 k
LA Winnfield KVCL-FM 92.1 kr, plus classical weekends, "All American Music"
ME Rockland WMCM 103.3 k. There is "more than adequate access to country and western music on our mid coast radio bands, contrasted to the negligible availability of classical music." Four country stations cover the area. "I am sending a copy of this letter to the FCC in Washington formally lodging a complaint against WMCM's change in format. The airways belong to the public, and I believe the public should have some say as to the balance and type of programming by radio and TV stations licensed to broadcast by the FCC... Bring classical music broadcasting back to Maine."
MI Ann Arbor WIQB 102.9 r
MI Harbor Springs WLTQ 103.9 rk, $
MI Hastings WBCH-FM 100.1 k
MI Muskegon WMHG 107.9 sg, but black gospel only 6 a.m. to 6 p.m. Sundays. "A lot of black stations are gospel on Sundays!" On Sunday nights it has "A Touch of Jazz."
MI Traverse City WLDR 101.9 mr
MS Aberdeen WWZQ-FM 105.3 mr, Drake AC
MS Artesia WZIX 100.1 rm, "Magic 100" (from "Z-100")
MS Greenville WDMS 100.7 k
MS Utica WJXN-FM 92.9 r
MS Yazoo City WJNS-FM 92.1 r
MT Billings KGLT *91.9 rj
MT Hardin KKUL-FM 95.5 o
NV Henderson KWNR 95.5 k
NY Amsterdam WKOL-FM 97.7 r
NY Cobleskill WSHQ 103.5 o. "There is not much variety in local radio in new tunes. Besides SHO-FM and WGY-FM, K-Lite FM plays oldies... WQBK-FM is classic rock and WFYX-FM also plays a lot of '60s, '70s songs. Now, fewer local radio stations see to provide a format for fresh sounds."
NY New Paltz WFNP *88.7 p, "alternative rock," sharing time with WRHV *88.7 Poughkeepsie; WFNP on air 7 to 10 p.m. and midnight to 5 a.m.
NY Rotterdam WSHZ 98.3 o, simulcast with WSHQ 103.5
NY Saratoga Springs WQQY 102.3 rm
NY Schenectady WGY-FM 99.5 o, "Oldies 99.5" (from "Electric 99")
NY Waterloo WNYR 98.5 still rm and to go almost 100% satellite, causing some unemployment. "Meanwhile, WNYR continues its AM simulcast in Syracuse on the existing (but failing) WOLF AM 1490. That simulcast has been going on for several weeks, and will continue almost indefinitely."
NY Wurtsboro WZAD 97.3 jc, also some rock and easy listening—"no discernable pattern of programming. Stereo."
NC Edenton WBXB 100.1 sg
NC Washington WDLX 93.3 rm, "Lite 93" (from "93-DLX")
OH Gallipolis WGTR 101.5 op, classic rock
OH Ottawa WQTL 106.3 p, not oldies
OH Shadyside WEEL 95.7 o
OK Okmulgee KTHK 94.1 rp, "The Hawk"
OR Astoria KAST-FM 92.9 rm, "FM 93-Stereo, Soft Rock"
OR Creswell KAVE 95.3 r, plus blues
OR Eugene KMGE 94.5 rm, "Bright AC"
PA Bedford WALY 103.9 o, "Solid Gold"
PA Curwensville WOKW 102.9 r
PA Portage WKXU 105.7, k, was to have come on last spring, still not on air, but building its tower. Is "said to be able to cover the nearby larger cities of Altoona and Johnstown."
PA Renovo WMHU 93.1 o, Kool Radio, simulcast with WKHL-FM 95.5 Salladasburg
SC Aiken WRXR-FM 96.3 op
SC Moncks Corner WJYQ 105.5 c[lassical]
SC Mullins WCIG 107.1 s, "Hot 107," add to p. 186 FM Atlas-13—is $, 100, 3000 h,v
SC Ravenel WMGL 101.7 sj
SC Ridgeland WSHG 104.9 o, "Shag"
TX Corsicana KAND-FM 107.9 k, ID with Ennis, still "K-108" [saying "97-9 KFMK"
TX Houston KFMK 97.9 o, no nonID,/
TX Mount Pleasant KPXI 100.7 still r, not going to k
TX Pecos KPTX 98.3 k
TX San Angelo KKLK 101.9 to be k
TX San Antonio KSRR 92.9 r, "Star 93"
TX Texarkana KKYR 102.5 k
UT Provo KZOL 96.1 rm, "K-96.1"
VA Bridgewater WRDJ-FM 105.1 o; change from "WA," FM Atlas-13, p. 182
VA Christiansburg WFNR-FM 100.7 k
VA Clinchco WDIC-FM 93.1 rm, $
WY Burns KMUS-FM 101.9 k, "K-Moose," ID will include Cheyenne
BC New Westminster CFMI 101.1 still rp, but going to a harder rock sound. The CRTC, however, denied a decrease in its news.
ON Bracebridge CFBG 100.9 still rm, but now programming on its own 126 hours a week. It had been receiving 54 hours a week from CFBK 105.5 Huntsville ON, and 24 hours a week from the CBC AM network.
PQ Montreal CISM *89.3 to be r, "harder pop/rock music. Students have developed plans for 16 hours a week of public affairs programming."

On Air (Selected)

CA Chico KZFR *90.1—"format eclectic—old 78s, blues, jazz, rock," etc.
IA Fort Madison KBKB 101.7 50000 h,v; 142 m as of now "barring any construction delays." From a site north of Wever on a hill on Iowa 16 near U.S. 61. Eventually it may increase its ad rates, but "there are no plans at present to hike the rates."
KY Paris WCOZ 96.9 (from 96.7)
LA Belle Chasse KNOK 102.9, but was off for a day "with a suspicious fire destroying its transmitter. The station manager has called for an investigation."
OR Bend K201BP *88.1
OR Sunriver K213BH *90.5, transmits from Spring Butte, 26 miles SSE
PA Philadelphia WXPN *88.5, having moved from 88.9 [from 88.7 as WNHS
VA Chesapeake WHRV *90.3, having moved/
VA Portsmouth WFOS *88.7, having moved from 90.3
WY Mammoth Hot Springs all translators as shown in the "FM Atlas"

Off Air or Not Yet On

AR Waldron KRWA 103.1
CA Anderson KEWB 94.7, still on 94.3 "until next summer" [was 9-15-90
CA Kings Beach KBCH 107.7; target date/
IL Marshall WMMC 105.9
IN Bloomfield WBHQ 101.5
IN Clinton WPNL *93.9
IN Kentland WPNI 101.7
IN Linton WQTY 93.3—still on 93.5
IN Sullivan WNDI-FM 95.3 (along with its AM)
ME Bath WIGY 105.9 and WJTO AM sold for $750,000 to Kaleidoscope/J. Frank Burke of Minneapolis MN. Barclays Business Credit was owed $6.5 million, but this is the best offer received for the stations. Expected back on air after sale is approved by the FCC.
ME Kittery WKCD 105.3
MT West Yellowstone KRGS 96.5
NM Alamogordo KINN 105.3, still on 105.5
NY Montauk WMNK 104.7
NC Belhaven WKJA 101.1, still on 92.1
NC Warrenton WVRS 107.3
OR Bend KWBX 105.7, going commercial
PA Patton WBRX 94.7, "since February"
SD Custer KUAA 105.1, may never be built
SD Rapid City K202AU *88.3
KTOQ-FM 104.3
TX Cameron KCRM 103.9, still on 103.1. "CP for 103.9 now about 1½ years old"
TX Gilmore KLSQ 95.3, still operating as KAEZ
TX San Angelo KBIL-FM 92.9 (along with AM)
VA Emporia WEVA-FM 99.5
VA Franklin WWWP *91.7
VA Petersburg WVST *91.3
VA Orange WJMA-FM 98.9, still on 96.7
WY Powell KMBU 104.1
"Was really surprised to see so many educational FM stations off the air, since school is in session."

Deletions

IL Galva WZUU 102.5, "CP returned"
IA Grinnell KICL 106.7, "CP cancelled." May have been stalling, hoping to upgrade from an A to a C2.
OR Bend K221CQ 92.1. "They said it was probably planned by the previous owners" of KXIQ 94.1 Bend.
PA Barnesboro WRHB 92.5, "CP is forfeited and call letters deleted"
SD Rapid City K280AR 103.9
SD Spearfish K292CW 106.3
WY Buffalo K269DE 101.7 (had been a CP), K296DE 107.1
WY Gillette K252CJ 98.3 (was licensed); K288CO 105.5 (inactive CP)
WY Lovell K252CJ 98.3, had been licensed
WY Newcastle K280CF 103.9, had been licensed
K269BD 107.1, had been licensed
WY Sundance K296AV 107.1
WY Worland K244CK 96.7, was licensed

SCServices, 67 and 92 kHz

Symbols are as in the "FM Atlas"

CA San Diego KYXY 96.5 †R, 67; †M, 92
DC Washington WWDC-FM 101.1 †R, 92 (†M, 67). "Their general manager was secretive but told me that Music, Inc. broadcasts on both 67 and 92 kHz."
FL Fort Myers WAYJ *88.7 †X, 67
ID Boise KQFC 97.9 †T, 67
IL Farm Bureau on 18 midwest FM stations (data and voice; although most stations have phased out the voice), will be letting the leases go as they expire. It is going to satellite, along with Pioneer Hi-Bred of Des Moines and Farmland Industries of Kansas City MO.
IA Cedar Falls KUNI *90.9 †M, R. "It's a similar service to what KGGO-FM 94.9 Des Moines and a number of other stations use... Interesting, most educational FM SCAs have farm news or book reading. I assume they must be selling the service commercially."
MN Minneapolis KLXK 93.7 no †M, 67; retains †D, 57
WLTE 102.9 no †X, no SCS carrier any more
MN St. Paul KEEY 102.1 no †X, 67; no SCS
NE Omaha. Wonder how higher gas prices can be transmitted quickly and simultaneously to distributors and dealers? Blame SCA in part. Data Transmission Network, Omaha, is a leading culprit, using FM SCAs, C-band, Ku-band and cable to reach the customers. Charges are $21.95 per month for FM-SCS,

plus additional for hardware.
NE Winnebago KSUX 105.7 †U, 92 kHz, owned by Gary Violet of Winfield KS. "You wouldn't believe what else people call our call letters besides 'K-Sioux'." It has applied to upgrade to a C2.
OR Bend KICE 100.7 †M, 67 [light rock"
BJ Tijuana XHLTN 104.5 †R, 67, "English/
FMedial "until November"? "Is there no October issue scheduled, or are you wishing us an early winter?"

FMistakes—13th ed. FM Atlas.

Look for these and correct them when your book comes

AL Albertville-Gadsden WQSB 105.1 add [-...] to indicate multiple other cities in its ID list, p. 181 [not "KYHQ," p. 152
AZ Eagar 92.5 calls are KTHQ,/ [p. 178
CA Paradise-Chico KCHH 103.5 out of sequence,/
FL Marco delete listing on 92.5 (is on 92.7), p 152
FL Micanopy WLCL 97.7 remove listing with Gainesville, p. 164
FL Port Charlotte WEEJ 100.1 its 100000 power is vertical (97300 h), p. 170
IN Shelbyville-Indianapolis WENS 97.1 "Lite Rock 97" nonID not included in listing, p. 163 [from 96.1; is on 96.3, p. 161
KS Derby-Wichita KKRZ remove listing/
MA Athol WCAT-FM 99.9 (correct town; not "Atherton") p. 169
NM Grants (not "NY") KDYC 100.9, p. 172
NM Maljamar KWMW 105.1 has $, p. 181
NY Plattsburgh (not "Plattsmouth") WCFE-FM *91.9, p. 151 [not "WXTY," p. 179
NY Ticonderoga *103.9 calls are WANC,/
NC Biltmore Forest (new) 96.5 out of sequence, p. 162 [Rocky Mount from city list, p. 180
NC Tarboro-Apex-Durham WCAS 104.3, remove/
NC Topsail Beach (new) 103.9 correct spelling of city, p. 179 [150, 50000 h,v
OK Lawton KMGZ add to 99.5, p. 169, is $,/
OK Perry KBLP 105.1 is "K-105 FM"; that nonID does not apply to KBLP 105.1 Lindsay OK, p. 181 [m), p. 177
PA Indiana WQMU 103.1 is 100 m (not 200/
SC Andrews-Georgetown WGTN-FM 100.9 correct spelling of Georgetown, p. 172
TN Oliver Springs WXVO calls not shown (98.7), p. 124 [h,v; p. 183
TN Paris WAKQ 105.5 facilities are 61, 3000/
TX Premont KMFM 104.9 has $[stereo], p. 181
TX San Antonio 104.5 calls are KZEP-FM, not "KZEP," p. 180 [listing, p. 163
WA Walla Walla KNSN 97.1 remove stereo/
BC Christina Lake CBRI *98.3 out of sequence, p. 166 [just h), p. 174
ON Kingston CFRC *101.9 is 3000 h,v (not/

NonIDs, Not Just Slogans

Mentioned on the air usually without call letters; "strict" if a station only uses call letters once per hour as required by the FCC (at or near the top of the hour)

AR Barling KOLX 94.5 Oldies 94
CO Alamosa KALQ 93.5 Q-93.5
IN Indianapolis WFXF 103.3 still "Fox," with "strict official ID wedged in commercial break @ 46 past the hour."
KS El Dorado KBUZ 99.1 K-Buzz
KS Kingman KAPH 100.3 (having moved from 99.3) Kapp 100. "On the hour they neglected to mention the calls, just saying 'We're 100.3 Kingman- Anthony-Wichita'."
KY Elkhorn City WRAU 103.1 U-103 (r)
LA Columbia KCTO-FM 103.1 Oldies 103 (from "Gospel 103") [(from "G-103")
MD Havre de Grace WXCY 103.7 Extra 103/
MA Boston WROR 98.5 ROR-FM (from "98½")
MN Austin KAUS-FM 99.9 FM 100 Country
NJ Franklin WSUS 102.3 no "102" nonID; uses call letters always ["Kix Radio")
NC Elizabeth City WKJX 96.7 96-X (from/
NC New Bern WIKS 101.9 Kiss 102—same nonID as WCKZ 101.9 Gastonia-Charlotte uses
NC Plymouth WPNC-FM 95.9 96 Country
NC Raleigh WRAL 101.5 Mix 101.5
NC Tarboro WCAS 104.7 Class FM 104.7
OR Coquille KSHR-FM 97.3 K-Shore 97.3 (from "The Shore") [Rock (from "96-FM")
OR Eugene KZEL 96.1 Oregon's Best/ KPNW-FM 99.1 K Lite 99.1 FM
OR Florence KLCX 104.7 The X
OR Portland KINK 101.9 True 102 (from "Stereo 102")
PA Salladasburg WKHL-FM 95.5 Kool Radio, drops multi-city ID [from "Foxy 104")
SC Mount Pleasant WDXZ 104.5 Foxy 104½/
TX Bay City KMKS 102.5 K-102.5 (strict)
TX Houston KIKK-FM 95.7 Kick 96 (not strict)
TX Huntsville KHUN 101.7 All Hits FM 102 (from "FM 102") [still r
UT Salt Lake City KCPX"-FM" 98.7 K-98.7,/
VA Newport News WGH 97.3 New Eagle (k)
VA Rocky Mount WZBB 99.9 B-99.9
VA Yorktown WYCS *91.5 Stereo 91
WA Seattle KSEA 100.7 Mix 101, "and all the usual, boring cliche slogans. I wonder how Seattle rim-shotter KXXO, 'The New Mix 96', likes this?" Still rm ("lame soft rock").
WY Riverton KTAK 93.9 Big 94 FM (from "K-94")

Multi-City IDs In Use

FL Lafayette WQHI 99.9 with Tallahassee at :02 to :04 after the hour, between commercials. "All other references are only to Tallahassee."
IA Muscatine KFMH 99.7 with new tower gets out 80-90 miles; ID with Davenport, Iowa City, Cedar Rapids "and everywhere."
MN Crosby KTCF 101.7 with Ironton, $
KS Iola KIOL 99.3 with Chanute
OK Okmulgee KTHK 94.1 with Tulsa; having moved from 94.1 with a "much improved signal" [with Lake Charles LA
TX Beaumont KVLU *91.3/ [Port Lavaca
TX El Campo KXGC 96.9 with Bay City-/

AM Happenings Most Likely Caused by FM

AR Dardanelle KCAB 980 silent, along with KWKK 102.3 FM [been news
AR Greenwood KVOG 1510 silent; had/
AR Springdale KBRS 1340 silent
DC Washington WWDC 1260 now simulcasting Ch. 4 news, 5-7 p.m. "Writers have been instructed NOT to adjust script to accommodate radio listeners."
FL Tallahassee WBGM 1410 off the air. It has simulcast WBGM-FM 98.9 for several years. "Doubt CP for 1160 AM here will ever go on the air," WTWF Woodville FL.
IA Mason City *1010 now KRNI relaying KHKE *89.5 Cedar Falls IA; had been a commercial station, which was given to the University of Northern Iowa
LA Oak Grove KWCL 1280 "silent for repairs"
MA Boston WEEI 590 fired in a "significant shake-up": newswriter Leigh Herwitz, announcer Carl Stevens, who were to get married anyway. Also let go: Ed Silk, news anchor, Mike Hegerty, editor and parttimers Lauri Kelman and Roger Keithline.
WBZ 1030 reinstates Dave Brudnoy, drops syndicated Tom Snyder and Sally Jessy Raphael shows, but with a shorter contract than Brudnoy wanted and at less salary (see Sept. FMedial p. 3).
MA Waltham-Boston WRCA 1330. Fired: Dennis Golden. "The ever-so-listenable showbiz station is cutting every corner it can."
NY New York WQXR 1560 drops midday talk, music, now fully simulcasts WQXR-FM 96.3. "The audience for the specialty shows on the AM station was too small to support the time and expense of operating a separate programming block."
OK Oklahoma City KOMA 1520 "was not rock about four years ago—they had Music of Your Life, plus old radio shows... They went rock a couple of years ago." But was rock earlier.
WA Opportunity-Spokane KSVY 1550 becomes classical
In a study commissioned for FC Chairman Al Sikes it was found that 246 AMs, 17 FMs and 20 UHF TV stations had gone silent. "Dark AMs represented five percent of licensed AMs." I think the 17 figure for FM is too low.

Readers' Reports

This month's column takes on a new look, as it was prepared in the absence of FMedial which missed Oct. VUD readers are so important to me that I didn't want to miss an issue for you. Look above for "See Also" and other features gleaned from the last VHF-UHF Digest.

"After Columbus Day, I received the VUD with word about the FM Atlas 13 now can be advanced ordered, so here is my $12," writes Wendell Ford. He also sent a list of changes in his area, notably the dropping of the b format at WYEZ 100.7 Elkhart IN. He's typing the NRC 1991 AM log and as soon as he gets FM Atlas-13 he'll start on the FM side of it. The books are all printed and I am awaiting delivery of the first ones from MI. By the time you read this Wendell and others who have advanced ordered should have their copies.

Jeff Falconer sent an item about the Toronto 92.5 channel going to Rawlco (see above, "New"). Now it seems those who want a black-dance station are concentrating on 99.1, the frequency vacated when CKO went belly-up. The appeal for 92.5 went nowhere, with the "federal cabinet" (whatever that is) agreeing with the CRTC that the country music format proposed by Rawlco get the nod. Apparently, this "federal cabinet" includes Communications Minister Marcel Masse. Masse, a government employee, says he can't order the CRTC to give the next license to a black-oriented station, since "the CRTC operates at arm's length from government."

A FL mystery—Chris Dunne has heard from the opposite coast a "Gulf Country" (k) station there, and he's wondering if WGUF 92.7 Marco is on. It was obviously too weak to tell if stereo or not. He's gotten E-skip to Central America in September. "Lord willing, Danny B. will have it for Nov. VUD."

FM Filters' News

Eric Sundius sent information on ceramic filters from a Murata Erie catalog. "I have not ordered any 110s or 130s yet, but when I do I

will let you know where I ordered them, and how they performed.

"I have modified five tuners, a Superadio and a car stereo with 150 kHz filters. I had the most success with a Marantz digital receiver, model SR 440. This unit required three filters. I can now DX frequencies adjacent to strong locals with very little splatter. And I have adjusted the stereo threshold to a very low level so that I can DX in stereo. The performance is much better than my Heathkit AJ-1510 tuner. I achieved moderate success modifying a new Sherwood RA-1140 receiver. This unit cost only $88 new, and has 16 presets. I have defeated the automatic FM muting and replaced the ceramic IF filter with a 150 kHz filter. This receiver will make a good auxiliary tuner, at an excellent price. Keep up the great work on your column." Eric might want to consider writing an article saying in general terms how you can defeat the automatic FM muting to permit DXing in stereo on receivers that combine the muting with the stereo switch.

"You listed new 98.5 in Rocky Mount NC in 7-89 VUD, but missed the boat on 'Call Letters Assigned'? They are WSAY-FM and are already on air," says Gus Mancuso. I understand it is country, stereo. "WJMA-FM still 96.7--jump the gun, jump the gun! WRCQ Dunn NC (x 103.1) to 103.5 in effect OK. . . Got 112 in New Bern and 158 from Emporia VA. Range was from DC to GA from both spots; only weird catch was WWSN 107.7 Ohio from Emporia, in for almost an hour with no fade!" Next June he hopes to go to South Hill VA. "It should be great—after 11 p.m. closest station on air will be 93.5, 25 miles away with only about 10 within 50 miles; 88-92 is actually too clean. . . The 158 from Emporia is my two-night record now. Hope to break the three night work of 169 from Bellefontaine OH in 1989. . . Anything under 200 will probably disappoint, especially with skips and/or staying four nights. Also good is WPGT goes off 7 p.m. and WPTM at 12."

Mike Cherry sends word of a solar-powered station, IRIE-FM ("eye-ree FM") in Ocho Rios, Jamaica with 7 kw, 24 hours stereo on 107.1, with a relayer on 107.5 at Port Antonio on the east coast. "They play reggae and nothing else [and] everywhere you go in Jamaica you can hear Irie-FM coming out of houses, cars and boomboxes! Although only on the air for approximately five months, it is quickly becoming a favorite with locals of all ages. Nice signal. . . JBC-FM and RJR are reported to be increasing the ratio of reggae in their music formats. [Also] some Spanish stations that might have been tropo from Costa Rica were heard on Jamaica recently". In the '60s, FM was reported on that island from Costa Rica and some of the other Caribbean islands via tropo and skip from Brazil. Reception of Colombia and Venezuela was probably tropo. "I hope there won't be a postal strike here in Canada—I would sure like my new FM Atlas plus a chance to get the Christmas mail before this happens!"

Mike writes about an FM DX aid, a booster or FM pre-amp which is located at the receiver: "The Magnum Sleuth 150 never ceases to amaze me! It literally sucks the weak-signal tropo (and probably aurora when that mode is usable) out of the scatter! I'm even able to get decent stereo reception out of my regular tropo and tropo-scatter stations! I have yet to try using it with my 1-watt FM exciter, but that experiment will be soon coming." Mike had one mystery from his recent DXing, which turned out to be KTNE-FM *91.1 Alliance NE.

"I enjoyed Joel Rosenberg's article on DAB tests and I observed the same video and audio modulation characteristics," says Mike. "Frequencies used here were 797.5 and 800.5 mz (1 kw ERP). Vancouver's tests ended around Aug. 23. Enclosed are some frequency flyers from the CBC's recent open house in Vancouver. Dave Sinclair brought them over when he visited. We four-wheel drove up to the Mt. Bruce bandscan mountain-top location (64 stations) and hopefully Greg Coniglio will have our bandscan report published soon. We got to tour the CKVU-10 and CBU-FM1 facility on nearby Hope Hill, Mt. Tuam on Salt Spring island. The 'meter reader' wasn't actually on either station's engineering staff, but was paid to take the twice-weekly readings. He seemed to know little or nothing about wave propagation other than ground-wave and had some vague explanation about CBC having problems picking up their stereo service signal from Vancouver. . . For now they are using a Sony receiver to pick up the primary feed on 105.7 for rebroadcast. . . During my Sunday, Aug. 25 'Rockers' reggae show on CITR *101.9 Vancouver I got a call from an Es listener in Wray CO who was picking us up in $tereo. . . The listener wasn't a DXer but had noticed DX FM stations in previous years. . . See, it does pay for Canadian stations to spew out their call letters and request line numbers. If any WTFDA members pick us up, the number is (604) 228-2487. I'm on noon to 3 p.m. Pacific time. If I knew an opening to BC was in progress, I would give the calls often enough to help DXers verify CITR. . . One of these days I must get with it and order up some 180 and 150 kHz filters for the Sansui receiver."

Eric Fader mentions sharetimers WRHV (not "WRHB") *88.7 Poughkeepsie and WFNP *88.7 New Paltz NY. Not too often a DXer can legally count two local stations on one frequency—but here's your chance. I wonder, however, if WFNP has stereo. "Also WZMX 93.7 CT is 'The New Mix 93.7 FM' [playing] what the industry calls 'bright AC'. I call it truly terrible music. I assume you already know that WWHB NY 107.1 now simulcasts WNEW-FM 102.7 with local Long Island [Hamptons] ads."

Greg Hardison: "Please send me the 13th edition ASAP—wouldn't miss it for the world! If we do another DX show this year (with Ray Briem), you'll probably get a call. No longer airing on national radio. This has taken some of the fun out of it all, though. Keep up the extraordinary work!"

Tom Bryant is going to be listening for the new WAMB-FM1 106.7 Donelson TN, a rarity among FM stations. It will be a nighttime-only station (see above, "Call Letters"), and he may send a tape if it reaches his QTH on the WSW side of Nashville.

Fellow editor Bill Nienajadly addresses an issue I have had to contend with. Bill says: "I honestly wish that any complaints of any column should be addressed to the editor and sent to them directly, not to HQ where they will be printed and make we editors look like buffoons, jerks, etc." In an earlier letter to Bill Thompson, Bill N. said he's "sick of seeing Greg's column trashed. This is the second or third time." I rather like Greg's variety of type fonts. I suppose, however, after direct complaints to the editor don't yield results, then a member could write club HQ to try to bring about changes. I think most complaints are from a fringe part of the membership and don't reflect the reality that each column has a group of loyal readers who enjoy the columns as they are. Bill sent an obit on Paul Lockwood, 51, newscaster at WBAZ Southold NY, who collapsed on the job as he arrived to do a remote at the Polishtown Fair in Riverhead. And he sent an article from the NY Daily News on digital radio, "Will Radio Become a Wave of the Past?" 73, Dave Sh

QSL CORNER & LOGOs RUN

Thomas J. Yingling, Jr., KA3TCC/AC
221 Pinewood Road
Baltimore, MD 21222-2345
Phone # 301-282-5649

ON CJSD 94.3 Thunder Bay, 87 North Hill St, zip P7A 5V6. Letter & bumper stickers from Tim Goebel, Program Dir. back in about 2 weeks. (B.Hall)
FL WAYJ 88.7 Fort Myers, P. O. Box 061275, zip 33906. Letter, t shirt & bumper stickers back in 10 days from Randal Eugene "Skip" Spence, Program Dir. & Chief Operator back in 25 days. (B.Halls)
PA WHPA 104.9 Hollidaysburg, Box 484, zip 16648. Letter ,fridge magnet & coverage-map from Gary S. Magill, CE back in 2 weeks. (B.Hall)
TX KPRC 2 Houston, P. O. Box 2222, zip 77252. Folder-qsl card from Lynn Salerno, after 1 follow-up report one year later. Also send 2 logo stickers. (T. Yingling)
SD KDLT 5 Mitchell, % 3600 S. Westport Ave., Sioux Falls, SD 57116-0196. Letter from Donald Sturezenbecher, CE after one follow up letter send 3 years later. My first letter was not answered due to the studios were moved to Sioux Falls, and with it being busy time for engineering. (T. Yingling)
NE KDUH 4 Scottsbluff, 1523 First Ave., P. O. 1529, zip 69361. Letter, stickers from Wayne A. Nestor, CE. after one follow-up report. (T. Yingling)
KS KLBY 4 Colby, 990 S. Range, zip 67701. Letter & coverage map back after one follow-up report from Leroy Steckman, CE. (T.Yingling)
GA WGXA 24 Macon, P. O. Box 340, zip 31297. Letter from Kim T. Bene' ,Program Director/Operations Manager after one follow up report. (T.Yingling)
AL WVOB 91.3 Dothan, P. O. Box 1944, zip 36302. letter from Steve A. Shuemake, Mgr. mentioned hearing CB skip before, "but this certainly one for our record book" Send bumper sticker, & book about Bethany Bible College.(B.Elving)
CO KSYY 95.7 Denver, 8975 E. Kenyon Ave, zip 80237. Letter sign by Craig Roberts, CE. tells about their directional antenna to protect a nearby "quiet zone" from electromagnetic interference, and hoping I'll try for their AM on 630khz. (B.Elving)
CO KCFR 90.1 Denver, 2249 S.Josephine St.,zip 80210. Letter from Robert J. Hensler, CE saying it has been heard in southwestern Canada two years ago. (B.Elving)
CO KKLI 106.3 Widefield, % P. O. Box 17360, Colorado Springs, CO zip 80935. Letter from Bob Scott, no title. Letter tells of 71 watts, but having a CP for 1600 watts. (B.Elving)
ID KZMG 93.1 New Plymouth, % 1002 Franklin St.,Boise,ID 83642. Short note from "Mac, CE" who says as a ham he's aware of skip. (B.Elving)
LA KMDL 97.3 Kaplan, % Box 30490, Lafayette, LA 70503. Letter from Ernest J. Alexander, GM saying it's amazing they were heard so far. Send coffee mug , bumper sticker, & key chain. (B.Elving)
LA WWNO 89.9 New Orleans, just zip of 70148. Letter from from John S. Batson, GM mentions about being heard in New England (Mike Bugai ?) (B.Elving)
MS WUSM 88.5 Hattiesburg Box 10045, zip 39406-0045. Letter from Torye Hurst, Program Mgr mentions also being heard in MO & IL. (B.Elving)
MS WMAW 88.1 Meridian, % PRM, Box 4343, Jackson, MS 39216-0343. Short letter from Mike Morgan mentioning also being heard in Halifax, NS. Also send program guidem bumper sticker & note pad. (B.Elving)
MT KXEI 95.1 Havre, P. O. Box 2428, zip 59501. Letter from Ed Matter, GM mentioning skip bothering their regular listeners. My reception most distance and to be honest with you, I would be surprised if you ever hear us again. Send sticker. (B. Elvings)

WAIR 92.5 FM
FM STEREO 94.3 wdif

MT KLCM 95.9 Lewistown, P. O. Box 620, zip 59457. Short letter from Tina Boswell, Program Mgr mentioning the AM being heard in AL, but no dx record on the FM. "There are many mountain ranges surrounding Lewiston and some towns in our coverage area can't pick us up!) Enclosed coverage map giving a false frequency of 95.7 mhz. (B. Elving)

NV KNPR 89.5 Las Vegas, 5151 Boulder Hwy, zip 89122. Letter from Lamar Marchese, Pres. & GM says "I think you get the distance record for listening to our station. The previous record was held by a radio enthusiast in Vancouver, BC (Mike Cherry ?) He found it pretty amazing that I could detect his 2 SCAs. (B.Eleving)

NM KPCL 95.7 Farmington, P. O. Box 232, zip 87499. Letter from Fareed Ayoub, Station Mgr says he "was surprised and shocked to hear from someone who lives so far from Farmington, NM. What kind of Ph.D. are you?" Later send a second letter mentioning being heard by Nigel Pimblett in Medicine Hat, AB Canada the same day I received them. (B.Elving)

TX KNTU 88.1 Denton, P. O. Box 13585, zip 76203-3585. Letter from Russell Campbell, Development Director who send sticker & letter explaining their complex directional antenna pattern when school hour station KEOM 88.3 Mesquite, TX is on air, & when not on air, they also protect KJBR 88.3 Keene, TX. (B.Elving)

OR KLAD 92.5 Klamath Falls, P. O. Box 489, zip 97601. Letter from D.B.Hagen, Eng. who accuses me of being their most distant listener, says they are 63kw circular, but FCC shows only horizontal. (B.Elving)

SC WLFJ 89.3 Greenville, 2420 Wade Hampton Blvd., zip 29615. Letter from Allen Henderson, Operations Director, send program guide & brief letter "Someone claimed to have picked us in Haiti once for just a few minutes. It's strange when that happens." (B.Elving)

AB CJSR 88.5 Edmonton, Room 224, S.U.B., University of Alberta, zip T6G 2J7. Letter from Ian Istvanffy, Station Mgr. says they're 44.5 watts "A few months ago someone in Finland received our signal" (! ? !) (B.Elving)

AB CJAY 92.1 Calgary, Box 7060, Station A, zip T3C 3L9. Letter from Steward Meyers, Program Director also send t-shirt, sticker and says they were heard in Dallas, TX a few years ago. (B.Elving)

AL WVAS 90.7 Montgomery, Alabama State University, zip 36101-0271. PrePared Card signed by S. Myers, received back in 1 month (R.Ross)

AL WOOF 99.7 Dothan, Box 127, zip 36302. PFC & sticker back in 1 month from Mike Holdenfield, CE. (R.Ross)

AL WBHL 91.3 Florence, Box IBC, zip 35630. PFC & qsl card from Jim Lancanster, Sales Mgr in 1 month. (R.Ross)

MS WYMX 99.1 Greenwood, Box 1686, Browning Rd, zip 38930. PFC & bumper sticker from Keith Worral, CE in 1 month. (R.Ross)

FL WILN 105.9 Panama City, Box 1790, zip 32402. PFC & letter from Jim Broaddus, Pres. in 1 month. (R.Ross)

KWNS 104.9 Winnsboro, P. O. Box 54, 337 N. Main, zip 75494. Letter from Richard E. Foster, Owner reply back in 16 days. (B.Hall)

MI WIKB 99.1 Iron River, P. O. Box AC, zip 49935. Letter back from Kurt J. Paro, CE in 15 days, and also send bumper stickers. (B.Hall)

TX KODA 99.1 Houston, 4810 San Felipe Rd, zip 77056. Letter, sunglasses, magnet, & bumper stickers from Dusty Black, Vice Pres/General Mgr. in 15 days. who says "By receipt of this letter you are hereby proclaimed an official member of the KODAKREW." (B.Hall)

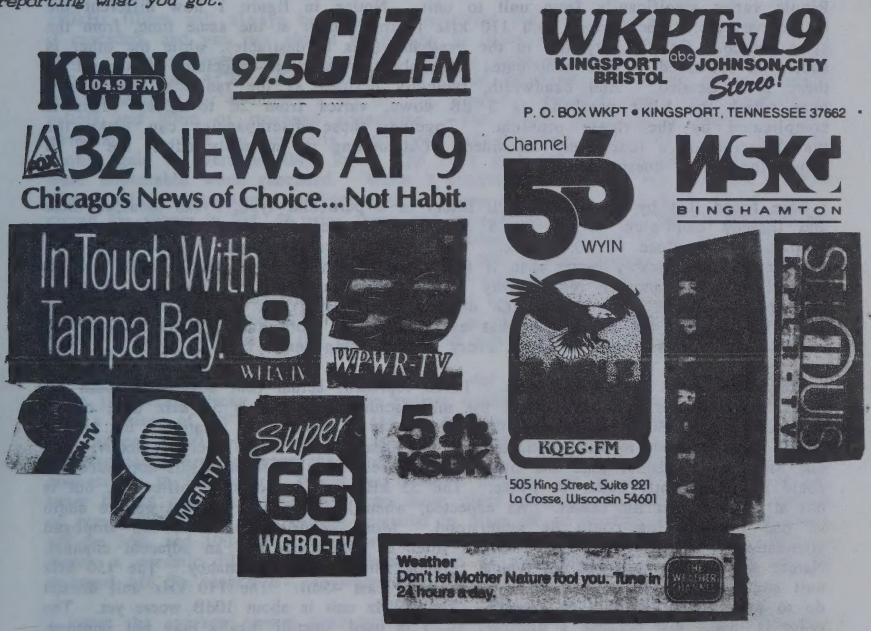
AR KMAG 99.1 Fort Smith, 423 Garrison Ave., zip 72901. Letter, medial kits, bumper stickers, buttons, & balloons all from Del Williams, Sales Mgr. in 13 days. (B.Hall) (you must like dxing 99.1 ? editor

ON CHEQ 101.1 Smith Falls, P. O. Box 1200, zip K7A 4T4. Letter, bumper stickers, key chain from Brian Perkin, Program Dir. in 9 days. (B.Hall)

PA WKYE 95.5 Johnstown, 109 Plaza Dr., Box 309, zip 15907. Letter & bumper sticker from James J. Boxler, CE in 7 days. (B.Hall)

NY WCIZ 97.5 Watertown, RD2, Gifford Rd., zip 13601. Letter from Holle Helix "It's always great to hear from a faithful adoring worshipping listener ! " reply back in 10 & 3 flashy bumper stickers to show off just how hip you really are ! (B.Hall)
LA KDEA 99.1 New Iberia, P. O. Box 12948, zip 70528-2948. Letter from Dondald Bonin, Owner & General Mgr. in 14 days. (B.Hall)
OH WRDL 88.9 Ashland, Ashland College, Dept. of Radio/TV, zip 44805. Handwritten letter from Sara Bontempo, Music Dir. to reply to my phone call too, back in 12 days. (B.Hall)
FL WQCS 88.9 Fort Pierce, Indian River Community College, 3209 Virginia Ave, zip 34981-5599. Letter from Jill D. Roberts, Public Affairs Director, back in 14 days. Very odd letterhead paper, does not show call sign or frequency. (B.Hall)
NY WBSU 89.1 Brockport, Seymour College Union, State University of NY, zip 14420. Handwritten letter from Michael D. Hall, (Wolfchild), no title, back in 2 weeks after phone call. Also send 3 buttons. (B.Hall)

Lots of QSLs this month and some logos. Reporters are Bruce Elving, Robert Ross & new reporter of Bruce Hall. No news on my new computer yet. Now need money for monitor. The big news is I passed the Amateur General Class test at last. So, that explains the /AG on my call. Until I get new ticket in mail, and I'm keeping the call KA3TCC. At the convention in Virginia there was some talk of getting a list of all WTFDA members that are hams (amateurs), and try to get a tv/fm dx net on HF. I was surprised just how many so far are getting their license. If any members that are hams are interested, please write to me. I hope most are at lease a general class so we could use lower bands beside 10 meters. *73 till next issue, and please report. I have little left to use, which will explain why I have been skipping a month between columns. One point I must make on all qsl items report, you MUST give all information. Don't just give me the call sign, without the frequency or address as I did had to drop some items. Also please use a regular size typewriter print, as its' kind of hard reading such small print. Until later on keep on dxing, qsl'ing, and reporting what you got.*



TECHNICAL TOPICS

Back in the April '90 VUD my first article appeared, covering the more technical side of selective ceramic filters for FM DX improvement. I appreciate all the comments, letters, and help that followed from fellow club members. During the last several months I have been able to do a bit more research and experimenting in the lab...and the results have been very successful. This part 2 of 2 will be very results-oriented, with actual test data. Perhaps this article, together with the one in April, will give readers a complete reference on the subject of ceramic filters.

WHAT YOU SEE WITH YOUR EYES

Almost everyone who's tried installing narrower filters has noticed that they are very lop-sided; that makes the tuner more selective on one side of a channel than the other. More observant DX'ers have noted that while close-in selectivity is much better with narrower filters, alternate channel selectivity is degraded. The most persistent experimenters (myself included) who have managed to locate filters with bandwidths of 130, 110, and even 55 kHz have been less than enthused after trying them. All of these effects can be explained.

First, these little filters do not have very tight tolerances. Not even as tight as I originally believed. There is a very noticable unit-to-unit difference in each of the following characteristics: center frequency, ripple, and bandwidth. Center frequency can vary +/-30 kHz according to the data sheet, but in my collection there are a few that are as much as 75 kHz off (I define center frequency as the point of minimum loss in the passband--this is what you care about when tuning). If you buy three filters having a nominal bandwidth of 110 kHz, and cascade them, you might have on overall bandwidth of 170 kHz or more!

Ripple varies significantly from unit to unit. Notice in figure 1 how different the two curves are. These were both 110 kHz filters, bought at the same time, from the same source. One is very flat in the passband (this is desirable), while the other is somewhat lop-sided. This contributes noticably to distortion--especially if several of these are cascaded. And bandwidth, typically defined as the range of frequencies over which the filter passband is 3 dB down, varies from 20 to 25%. This is complicated by the ripple problem. Together these discrepancies can make the tuning action of a tuner very lop-sided. (Attempting to internally adjust the IF to match the filters doesn't work.)

I have found that by buying, say, 20 filters of a particular type, I can measure them and thereby hand-pick only 4 or 5 that have a nice flat response and a center frequency very close to 10.7 MHz. Then when I cascade them into a tuner, the performance is noticably better than if filters are chosen from the lot at random. All of this suggests another reason why manufacturers use wider bandwidth filters in their products than one might think necessary. Over a run of thousands of front ends, it increases the probability that every one will work satisfactorily without the expense of workers hand-selecting every single component.

In Figure 2, there are three curves. These represent actual (not advertised) data for three Murata filters I obtained from the manufacturer. One is a 55 kHz unit, one a 110, and one a 150. Notice how the 150 unit is off-center, but relatively flat. This would cause a tuner to have noticably (in this case, about 10 dB) better selectivity on one side of a channel than the other. If I used more than one, this lop-sidedness could be significantly better or worse. The 55 kHz unit is not only off-center, but is not at all flat near the center. As expected, when installed, this garbled up the audio so bad that nothing could be understood. Most importantly, notice the stopband attenuation. Ideally, you would want a filter to completely kill an adjacent channel. Nature won't allow this, but the typical ceramic filter is not too shabby. The 150 kHz unit attenuates all the out-of-band signals by at least 45dB. The 110 kHz unit doesn't do so well, about 3dB less on average. The 55kHz unit is about 10dB worse yet. The point is this: just because a narrower filter is used, overall results may not improve. You want to increase adjacent channel selectivity, but *without decreasing* image rejection and *alternate* channel selectivity. More is not necessarily better.

WHAT YOU HEAR WITH YOUR EARS

Figure 3 is a summary, in general terms, of what I've learned in the lab and from experimentation. It attempts to communicate the tradeoffs discussed in this article.

Along the horizontal axis is a range of possible filter bandwidths (it doesn't matter how many filters are used in cascade for this graph). The DX'er wants the narrowest bandwidth possible. As you might expect, going to wider bandwidths increases distortion and decreases intelligibility because the two adjacent signals begin to overlap the desired one. (If there are no adjacent signals, the same result occurs because more noise is received: a decrease of SNR). Going to ever-narrower bandwidths increases distortion and reduces intelligibility because less of the information in the signal is recovered and because the filters are not as well behaved. It is clear where the happy mediums are to be found.

OVERALL IMPRESSIONS

For these experiments, I use a Pioneer TX-7500 tuner, a nice analog tuner from the late 70's that I bought used for $25 at a yard sale. It came with three filters, which I replaced with sockets to facilitate experimentation. A Probe Nine antenna up in the attic is my signal source. The dial here is, of course, very crowded, with all channels (except 100.5) deep with stations. I tried 55kHz filters. Even with just one, all of the adjacent problems go away...there was even dead space between adjacent stations. Unfortunately, the audio that came out of the speakers was so garbled that even strong local stations were practically unintelligible. Plus, there were some image problems. Then I used 110 and 130 kHz filters. With these, the audio was acceptable, but the very weak stations were still hard to understand. You could hear distortion on musical peaks (=maximum FM deviations). Further, the stopband attenuation of these units was worse than the original 230kHz factory filters. I found I had to tune very carefully to avoid splatter from adjacent and even alternate channel stations.

[NOTE: portable radios typically only use one or two filters and narrower band discriminators--these might really benefit from use of the 130's and 110's. For example, the Radio Shack DX-440 uses two filters. I replaced them with a 130 and a 110 and it made a fairly dramatic improvement. Gus Mancuso does most of his DX'ing on one of these now. A GE Superadio would benefit from a 130 or even 110 and a bit of tweaking.]

180kHz filters will always be a big improvement over the factory filters, particularly if cascaded, and you pay almost no penalty in audio distortion. 150's will be a little better. Going from a 230 to a 150 can be expected to buy you about 15-20dB improvement in ACS. To achieve even better selectivity the secret is to cascade several units. For example, a set of five, properly cascaded, could have 54db/octave rolloff and 80dB of stopband attenuation. The circuit presented in Figure 4 takes advantage of this by correctly cascading and matching five filters and providing enough gain to overcome their loss. The 150's gave the best overall performance and were unbeatable when cascaded. When I selected the best of my 180 and 150kHz filters using a spectrum analyzer and a sweep oscillator, and built up a 5-filter circuit (as shown in Fig. 4) using these, and installed it in the TX-7500, it produced the best DX performance I've ever been able to achieve. (I'd love to do a side by side comparison with a MR-78 sometime.) With this circuit inserted between the front end assembly and the IF strip, I have about 30-70dB of ACS! (The -3dB bandwidth is 115kHz; the -40 dB bandwidth is 260kHz; and the stopband attenuation is better than 70dB. The center frequency wound up being off by 20kHz--hence the "30-70dB.") With a rotatable antenna on the TX-7500, I can now DX on any FM channel.

The circuit presented in Fig. 4 could be built for less than $20 by just about anyone; there is nothing tricky. In fact, the easiest method of construction would be to start with a piece of 3.5" x 1.5" board and lay out the components in the same positions as they appear in Fig. 4. Then just use the leads of the components, instead of cutting and stripping wire, to make the connections. Use coax to make the input and output connections to the tuner. It can be installed between the IF and RF section of any tuner having an IF of 10.7MHz, even those older tuners made before the introduction of ceramic filters. Or, it can be installed in place of an existing ceramic filter (leave off the 560- and 100-ohm resistors on the input). Overall circuit gain is set at -5dB (to match a ceramic filter and also keep noise at a minimum). The circuit can be powered off the tuner's B+, anywhere from 9-15V.

I know the average person does not have access to RF equipment for checking out individual filters...and that the tolerances of Toko, Murata-Erie, and TDK filters are not very tight...and what effects the filters have on the audio quality and distortion. (See Figure 3.) I also know that of all the filters I've tested, it seems the narrower bandwidth units have worse image rejection (although there is no theoretical reason for this). Therefore, I feel that the 180kHz units offered by Digi-Key and the 150kHz units from Hosfelt (at only $1.00 each!) are the best overall compromise. I really don't see any advantage at all in fooling with narrower filters than these.

RECOMMENDATIONS

If you have an analog tuner, you have an advantage no matter what factory filters come inside the cabinet. Just replacing the existing filters with 180kHz units will make a dramatic improvement in your ability to tune adjacent channels, and you will probably not notice the slight loss of highs in the audio. By going to 150 kHz units, your DX performance improves more (this is especially good in car radios).

If you have a digital tuner, e.g. one with synthesized tuning which can only allow you to tune in discrete (heaven forbid, only 100 kHz!) steps, you need to use a narrower filter. The 150 kHz units are still your best compromise. 130's might do *slightly* better, but don't bother unless you can get them easily. The problem is your tuner's inability to off-tune--an important DX capability no matter what filters are used. Not to sound defeatist, but the owners of most mass-market receivers and tuners will find an FM section with 200 or 100kHz tuning steps and no more than 2 or 3 filters. These owners will never notice any dramatic improvements if they have many stations on the dial (which is just about everywhere these days).

If the tuner has 5 or more filters already installed, don't try to replace all of them with the narrowest units you can find. You will be much more successful if you first identify the order they are wired in the circuit, and leave the first two as factory stock. Then replace all the rest with moderate bandwidth, say, 180kHz units. If you have a 150 lying around, you might try replacing the *last* filter in the series with your 150. If you replace the entire chain with 150 kHz or narrower filters, you are in for disappointment (untolerable distortion and degraded image rejection).

If you have one of the older (pre 1970's) tuners, chances are near 100% that no ceramic filters are used at all. If you aren't satisfied with the performance of these, you could be in for a real treat if you take the trouble to change it over. (I have in mind the kit tuners sold in the 60's.)

To conclude this article, here is a table listing the specs of all the filters I can get my hands on and test out. Good luck with the circuit if you try to build one. Any questions or comments...feel free to write. If you need help modifying a very old tuner, please enclose a circuit diagram of same, and an SASE.

TABLE 1. Comparison of various ceramic FM IF filters

model	BW	A	B	C	D	E	F	G	H
SFA10.7MF5	55kHz	-37dB	-40	-7.0	-35	-35	P	170kHz	P
SFE10.7MH-A	110kHz	-32.6	-25.0	-8.5	-39.2	-57.1	F	350kHz	F
SFE10.7MK-A	130kHz	-32.7	-27.2	-7.6	-43.4	-60.3	F	350kHz	F
SFE10.7MJ-A	150kHz	-29.6	-23.9	-6.5	-36.4	-59.4	F	380kHz	F
SFT10.7MS3-Z	180kHz	-29.4	-10.7	-9.0	-32.4	-50.5	F	520kHz	G
SKM-3	180kHz	-32.6	-30.1	-6.6	-13.2	-46.1	G	n/a	F
SFE10.7MX-Z	250kHz	---	---	---	---	---	G	670kHz	E

All models from Murata-Erie, except SKM-3 is from Toko.
All data measured in lab unless otherwise noted.
BW=advertised -3dB bandwidth; **A**=attenuation -400kHz from center frequency; **B**=atten. -200kHz from c.f.; **C**=atten. at c.f. (insertion loss); **D**=atten. +200kHz from c.f.; **E**=atten. +400kHz from c.f.; **F**=spurious response (Poor, Fair, Good, Excellent); **G**=-20dB bandwidth, from manufacturer's data sheet; **H**=group delay (P, F, G, E).

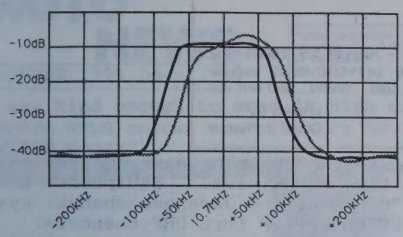


FIGURE 1. Plot of two, 110kHz filters showing ripple and center frequency variation between units.

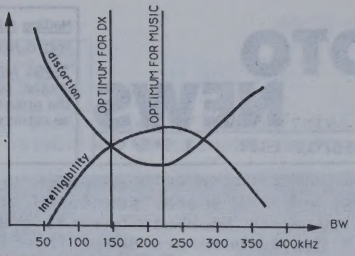
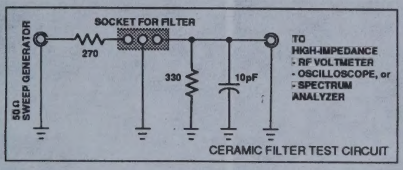


FIGURE 3. Plot of filter compromise.



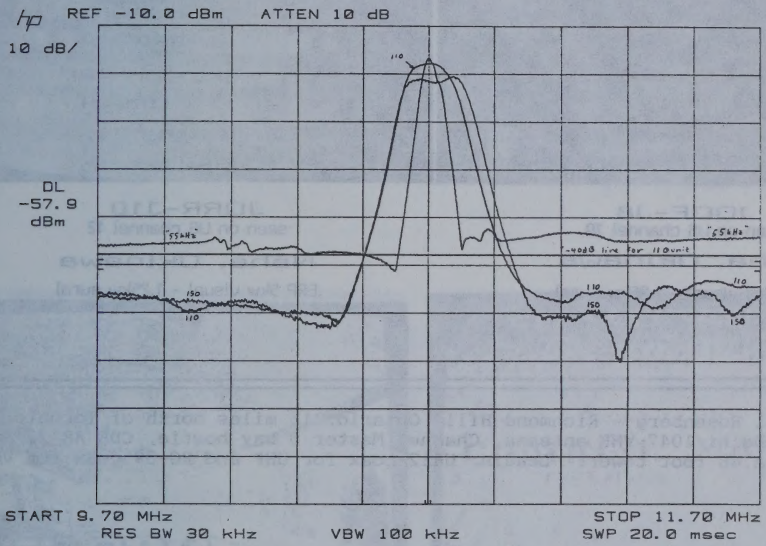


FIGURE 2. Plot of frequency response of three Murata-Erie ceramic filters (actual test data).

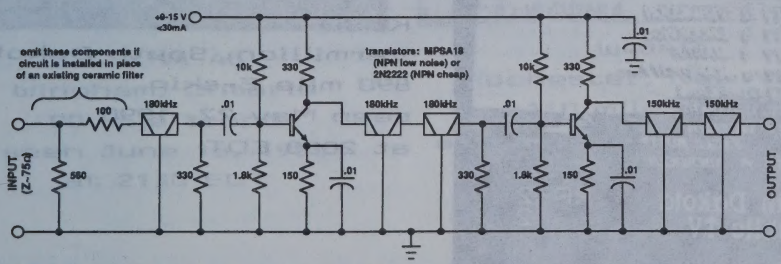


FIGURE 4. Circuit diagram for super-duper IF amplifier using five filters for high selectivity.

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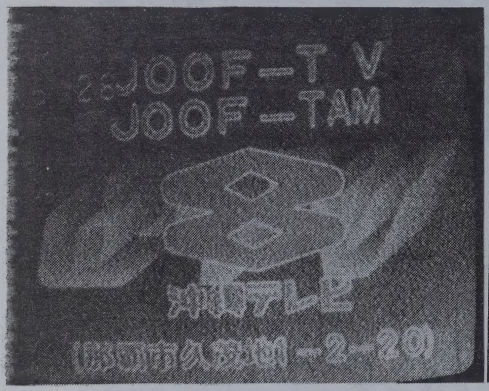
PHOTO NEWS

NOVEMBER 1990

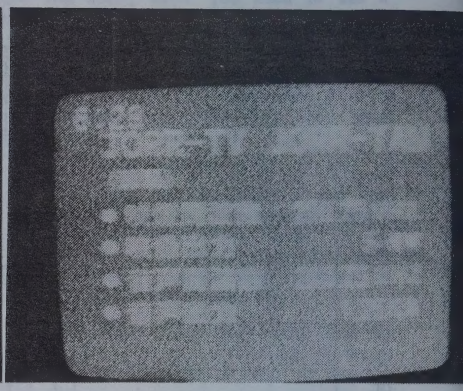
Mailing Address:
PHOTO-NEWS
12284 Nice Rd - Akron NY 14001-9529
Photos submitted to PHOTO-NEWS become the property of this column and will not be returned.

EDITED BY
David J. Nieman

Our first fotos are local reception of commercial TV on Okinawa. They're sent in by Mike Hardester stationed at the time on Okinawa. Equipment: a "loaner" TV North American channel system "M" receiving Japanese channel system "M". The systems are compatible from US channel 8 thru UHF channels. Antenna; rabbit ears.

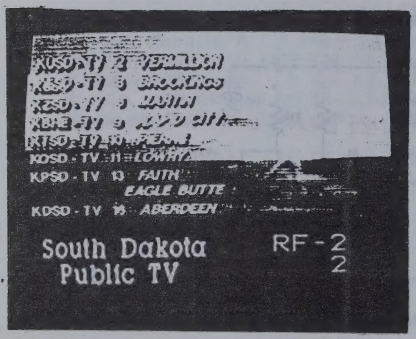


JOOF-J8
seen on US channel 10
Naha, Okinawa
ERP 5kw visual - 1.25kw aural



JORR-J10
seen on US channel 12
Naha, Okinawa
ERP 5kw visual - 1.25kw aural

Next is Joel Rosenberg - Richmond Hill, Ontario; 15 miles north of Toronto. Equipment: Delhi 1047 VHF antenna, Channel Master 8 bay bowtie, CDE AR-22 rotor atop a 48 foot tower. Leadin: U412 coax for UHF and RG-59 coax for VHF.



KUSD-2
Vermillion, South Dakota
890 mile E-skip
seen May 27, 1990
at 2000 EDT

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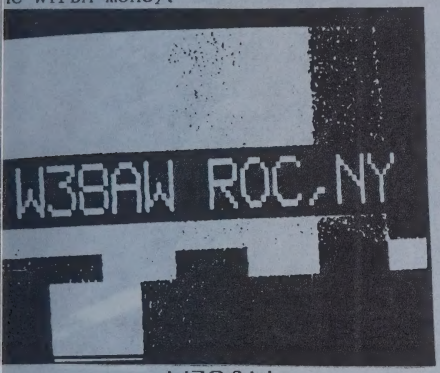
David J. Nieman

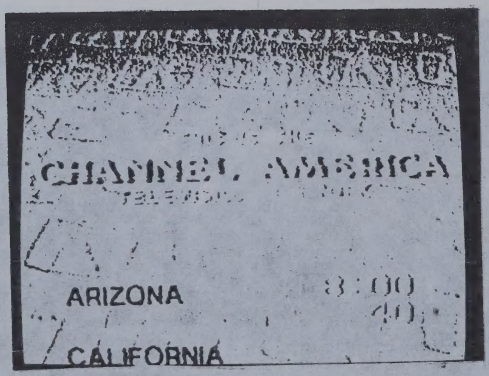
bel was kind enough to send in high quality photocopies of his DX fotos. If he PHOTO-NEWS column contributers have no objection; photocoping could save he WTFDA money?



W38AW
Rochester, New York
110 mile tropo
seen May 28, 1990
at 2224 EDT

KBTX-3
Bryan, Texas
1435 mile E-skip
seen May 29, 1990
at 2000 EDT

CBLN4-45
Wingham, Ontario
90 mile tropo
seen June 15, 1990
at 2130 EDT



W40AG
Rochester, New York
110 mile tropo
seen June 16, 1990
at 2000 EDT

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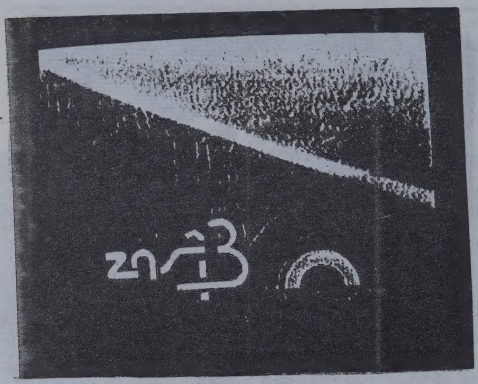
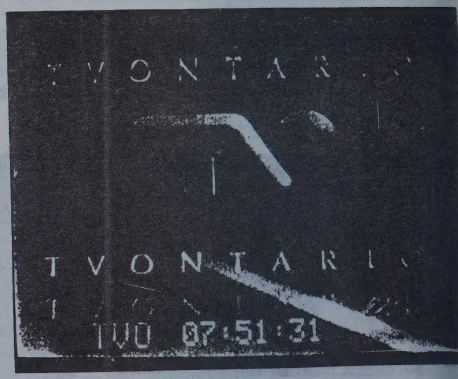
Joel's foto of ZNS Nassau was taken while on vacation their.

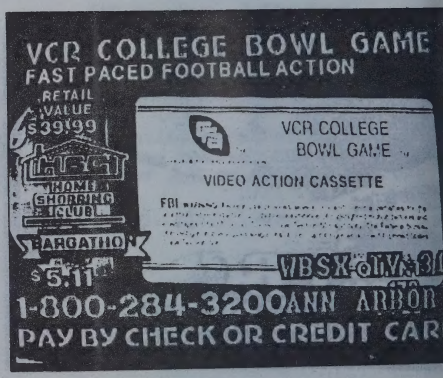


ZNS-13
Nassau, Bahamas
local signal
seen July 14, 1990



CICO24-24
Ottawa, ON - Hull, PQ
215 mile tropo
seen July 19, 1990
at 0751 EDT

CICO95-42
McArthur Mills, Ontario
110 mile tropo
seen July 19, 1990
at 0752 EDT



WBSX-31
Ann Arbor, Michigan
230 mile tropo
seen September 3, 1990
at 1901 EDT

PHOTO NEWS

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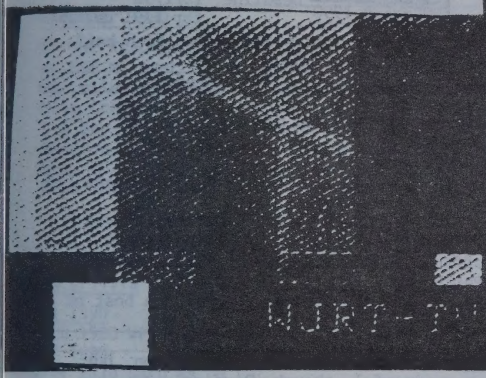
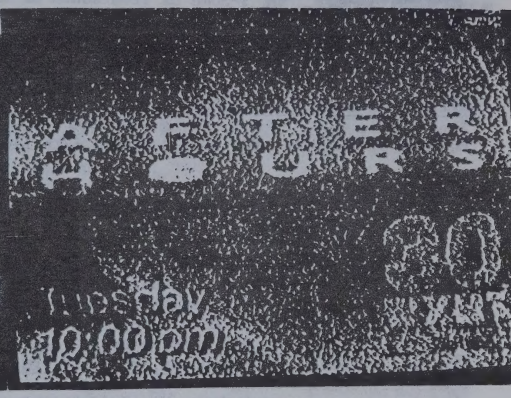
David J. Nieman

Joel; do you use any preamp with your 8 bay bowtie? too much trouble with the locals?

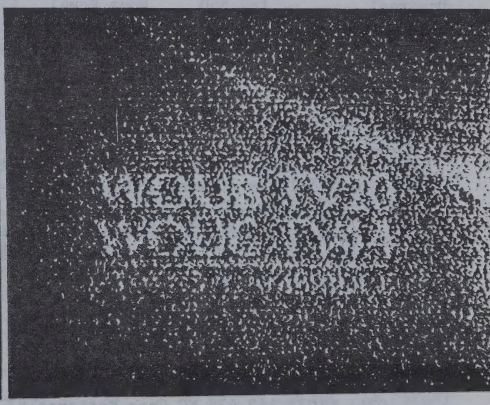


WJRT-12
Flint, Michigan
225 mile tropo
August 29, 1990
at 0440 EDT



WXMT-30
Nashville, Tennessee
660 mile tropo
seen September 4, 1990
at 0800 EDT

WKAR-23
EAST Lansing, Michigan
265 mile tropo
seen September 4, 1990
at 0900 EDT



WOUC-44
Cambridge, Ohio
285 mile tropo
seen September 4, 1990
at 2100 EDT

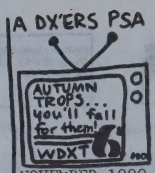
More from Joel next month +, Jeff Kadet - IL, Joe Fela - NJ & me.

Till next time, DAVE

NWS NEWS
NOVEMBER 1990

IN THIS ISSUE:
- More Weatheradio Canada expansions take place in Quebec.
- Some DX from north of the border
- Some DX from south of the border

...and much more!



Matt Sittel
PO Box 21421
501C Wood Hall,NCSU
Raleigh, NC 27607
(919) 546-9370
best times:evenings before 10PM.
Deadline: 12/1/90 for 1/91 column

Well, it looks like this will be a short column. The 2 reporters this month both hail from our neighbor to the north, Canada. Let's get to them right now...

William R. Hepburn, 1211-1547 Mississauga Vly, Mississauga, ON L5A 3X8 Canada

Equipment: Realistic PRO-2004 scanner, 12th floor balcony vertical dipoles

JULY 1990
21 tr 0744 XLT-839 162.475 ON Goderich 105
(WXR-Canada u/XMJ225)

AUGUST 1990
09 tr 0636 AFG-2 270.100 MI Mt.Clemens 175
(ATIS)
(Selfridge Air National Guard Base) new UHF-Air distance record. (Congratulations!-mcs)

Comments: XLT-839 was rather unintelligible under local XMJ-225. Best reception was actually made when offtuning to 162.460 MHz (!!-mcs) Forecast for Huron and Perth counties,etc. AFG-2 (aka KMTC) was state #4 as far as AIR stations go. Continuous bcst of Selfridge weather and ATC info. see-u, Bill.

Charles Gauthier, 3260 Beaulieu, Brossard, PQ J4Z 2P7 Canada

(Ed. Note: Charles mentions that he sent me a letter in July with this information, but that letter never reached me. His 2nd attempt was successful, though. Read on...)

It seems my last letter got lost in the mail. I hope this one reaches you! Anyway, my July letter contained information about the expansion of Weather Radio Canada. Five new stations replaced, this summer, the answering machine service and they concentrate mostly on the agricultural forecast. Here's the list:

city	frequency	transmitter site
Sherbrooke	162.475	unknown
Trois-Rivieres	162.400	Trois-Rivieres 46°25'N, 72°40'W
Saint-Georges	162.400	Mount Ste.Marguerite 46°20'N 71°08'W
Riviere-du-Loup	162.475	Mount Grands-Fonds 47°46'N 70°10'W
Chicoutimi	162.550	Mount Vallin 48°37'N 70°48'W
+on the air already:		
Montreal	162.550	Mont Royal 45°31'N 73°36'W
Quebec City	162.550	Mont Belair 46°48'N 71°30'W
Sept-Iles	162.550	Pointe Noire 50°09'N 66°29'W

NWS DX REPORT
JULY 1990
26 tr 0000-0100
WRC 162.475 Sherbrooke,PQ 60 mi.
WRC 162.400 Trois-Rivieres,PQ 75 mi. (over KIG-60)
VFN 161.775 Trois-Rivieres,PQ 75 mi.
VEN 161.850 Sorel,PQ 43 mi.
VDQ 161.775 Cornwall,ON 67 mi.

Equipment: Realistic PRO 2002 rabbit ears

Matt Sittel, NWS News Editor Raleigh,NC DX

AUGUST 1990
19 tr 0850 unID 162.400
20 tr 0730 WXL42 162.400 NC Winston-Salem 88
27 tr 0758 WXL42 162.400 NC Winston-Salem 88
29 tr 0737 KEC95 162.400 SC Myrtle Beach 123
0737 WXL42 162.400 NC Winston-Salem 88
0738 KHB31 162.550 NC Wilmington 116
0741 KIG77 162.475 NC Cape Hatteras187
1823 WXL42 162.400 NC Wisnton-Salem 88
31 tr 0759 WXL42 162.400 NC Winston-Salem 88
0800 WXK65 162.475 VA Richmond 142

SEPTEMBER 1990
01 tr 0727 WXK65 162.475 VA Richmond 142
0732 KEC83 162.400 MD Baltimore 272
0920 WXL42 162.400 NC Winsotn-Salem 88
05 tr 0848 KEC95 162.400 SC Myrtle Beach 123
0848 WXL59 162.475 NC Rocky Mount 66
0848 KHB31 162.550 NC Wilmington 116
07 tr 0722 WXL42 162.400 NC Winston-Salem 88
0725 KHB31 162.550 NC Wilmington 116
0823 WXL59 162.475 NC Rocky Mount 66

SEPTEMBER 1990
07 tr 0825 WXM57 162.400 VA Heathsville 195
11 tr 0801 KIG77 162.475 NC Cape Hatteras187
0848 WXM57 162.400 VA Heathsville 195
0848 KEC84 162.400 NC New Bern 104
12 tr 0748 KEC95 162.400 SC Myrtle Beach 123
0749 WXL59 162.475 NC Rocky Mount 66
0749 KHB31 162.550 NC Wilmington 116
13 tr 0813 WXL59 162.475 NC Rocky Mount 66
16 tr 1005 WXL42 162.400 NC Winston-Salem 88
1005 WXL59 162.475 NC Rocky Mount 66
26 tr 0802 WXL59 162.475 NC Rocky Mount 66
28 tr 0810 WXL42 162.400 NC Winston-Salem 88
29 tr 0813 WXL42 162.400 NC Winsotn-Salem 88
0813 WXM57 162.400 VA Heathsville 195
0815 WXK65 162.475 VA Richmond 142
0847 KHB31 162.550 NC Wilmington 116
0847 WXL59 162.475 NC Rocky Mount 66
2136 WXM57 162.400 VA Heathsville 195
30 tr 2223 WXL59 162.475 NC Rocky Mount 66

...SUPPORT NWS NEWS!!!73s,Matt

EASTERN TV·DX

Bill Nienajadly
PO BOX 2999
Clifton NJ
07015-2999
201-478-3044 no collect calls taken

November 1990 Cutoff 9-1-90 Deadline 12-5-90

KY UHF Reaches the East Coast! Joe Fela logged WLEX-18-KY at 566 miles along with WDRB (IN) at 636 mi over rough path mountainous terrain to Central NJ. Joel Rosenberg logs WXMT-TN at 657 miles from ONT! William Hepburn WKZT-KY at 525 miles. Some one from Clifton NJ sees 507 mile tropo to NC. John Combs moves to Tallahassee and sees 901 mile Gulf tropo...with just a 4 bay antenna with amp! Does it get better?....Christopher Dunne saw E-skip to Central America on Sept 27! Is this what they call a "good season". YES!
Note; If anyone has sent a report to this column and it didn't appear, its likely I did not receive it or maybe I might have misplaced it if so; Let me know if a report you sent is not in this column-BN

Saul Chernos PO Box 611 Orillia ONT L3V6K5 (705) 327-7809

From Orillia

June 1990
26 ES 1900 WPBT 2 FL
July 1990
4 TR 2330 UNID 45 ON CBC

August 1990
3 TR 0815 CB-- 33 ON CBC
OTTAWA-(How about CBOT-MAC ARTHUR MILLS-BN)
0817 CIC- 42 ON TVO
(MAC Arthur Mills?-BN)

August 1990
3 TR 0830 WNPE 16 NY
21 ES 2330 UNID 4
(FM DX TO MN)
"KX-4" NX ment MN

From Burnt River

JULY 1990
1 ES 1230 KJRH 2 OK

SEPTEMBER 1990
5 TR 2313 WWTV 9 MI

SEPTEMBER 1990
6 TR WOIO 19 OH

A very busy summer & not much time to DX. Most effort on FM. May have got into WI on Sept 5/6 on TV ch 10.

J.J. Rosenberg 19 Glenayr Rd Richmond Hill ONT L4B 2W3 (416) 884-8454

JULY 1990

22 ES 2015 MUF 2
27 TR 2301 WSNR 43 NY 175
28 TR 0625 Akron/Canton U's
29 TR 0900 WDSU 34 OH 325
30 TR 2300 W64AL OH 175

AUGUST 1990
10 ES 2130 PBS 2
12 ES 2100 MUF 2
13 ES 1800 MUF 2
14 ES 2200 MUF 2
26 TR 0845 WCET 48 OH 420
PBS 15
UNID 32 Religion
UNID 36 Relig-(Note#1)
29 TR 0425 WUPW 36 OH 250
WOIO 19 OH 200
WEYI 25 MI 225
WMSH 66 MI 225
WJRT 12 MI 225
0745 WGTE 30 OH 250
2300 WADL 38 MI 200(Note#2)

30 TR 0820 Watertown+WUTR-20
2000 Cleveland U's-s/f
2100 Youngstown U's-up
31 TR 0830 "Lake" trops up
2330 U's NW OH up

SEPTEMBER 1990
2 TR 0930 Windsor,Toledo U's
UNID 38 Religion
UNID 39 PBS
WLTW 44 OH 320
3 TR 1540 Youngstown U's-strg
1600 WGTE 30 OH 250
WBGU 27 OH 290
1830 UNID 22 CBS
(How about WYOU-PA ?-BN)
UNID 28 (Scranton?-BN)
1900 WBSX 31 MI 230
thru CITY @ 80
1933 WOAC 67 OH 235
2051 WGGN 52 OH 235
4 TR 0800 WXMT 30 TN 657
0820 UNIDS---28-46

4 TR 0830 UNID 38 HSC
0851 WHME 46 WI 380
0900 WKAR 23 MI 265
UNID 22 PBS
2050 UNID 18
Billy Graham specia
2100 WDUC 44 OH 285
2105 WDUB 20 OH 335
2115 PBS 22 //20+44
2130 WTVQ 36 KY 480
UNIDS 38-34-46-62 relig
2230 WSFJ 51 OH 310
2240 Detroit,SW ONT
2300 WADL 38 MI 200
CBLFT 48 ON 150
rare
2315 CBLN 64 ON 150
also rare
2317 UNID 39 Arsenio
2333 NBC 15 Note#3
2400 WEMT 39 TN 563
12 TR 0745 WGNY 36 NY 170
13 TR 2100 W59AV NY 110
xltr of WNYB-49

About mid summer,early morn & eve. trops seemed to shift emphasis from Rochester, Syracuse-Utica to Youngstown.... Cleveland-Akron. Detroit not in as often as other years.

Note#1 Aug 26 opening never picked up enough to make other ID's or tentative guesses.
Note#2 Finally logged WADL-comes in much weaker than other Detroit U's. When visiting Detroit in May 89 they seemed to be as strong as the others.
Note#3 During eve of Sept 4, band was loaded. Not ID'd were several KY ETV's also WTAP-15 last logged in 1972,WHIZ-18 -1971, Portsmouth OH-never logged. A memorable opening nevertheless! 1st TN logged via/Tr on Sept 4 (AM/PM) since WTCI-45 in Sept 1972! (Nice going with your TN DX!-BN) 73s Joel

Jerry Monroe 3135 Falls Road Marcellus NY 13108 *****NEW REPORTER*****

September 1990

6 TR 0230 WWTV 9 MI
0215 WVIZ 25 OH
0230 WJRT 12 MI

6 TR 0200 WSBT 22 IN
0200 WXIX 19 OH
0200 WTBN 7 MI

6 TR 0215 WKYC 3 OH
0200 WCAK 93.1 OH

Equipment; 10 element Low band at 30ft, 13" Magnavox, Magnavox Hi-Fi VCR, 10 element vertical hi-band stack at 15 feet with "Armstrong rotor" Preamp, FM Trap,ch 14-30 yagi, 14 element,w/ switchable preamp, 30-69 yagi 8 element also Armstrong rotor at 20 feet.

Comments; Location here is 10 miles West of Syracuse NY 1050' ASL (Impressive!-BN) Excellent VHF/UHF spot, high flat land, Rochester, Utica, Kingston, Buffalo, Ottawa, Toronto in all the time (Are there any houses for sale nearby? Hi!-BN) This report covers excellent Great Lakes Trop '90' w/Mich, Ohio, Indiana all in here. (Welcome to ETVDX , with your set up and location you will clean up with DX often, please report often and tell Bill K. I said hi! -BN) Best 73's

---

Greg Coniglio 5100 Glenwood Drive Williamsville NY 14221

September 1990

9 TR 2345 Pittsburg U's
W63AU Pitt-Tent
10 TR 2330 NE OHIO+ 39 Ft Wayne
12 TR 1730 W67AL OH 180
(East Lake w/WVIZ 25)

12 TR 1730+W64AK OH
2050 W59BV NY 57
(Rochester w/WNYB-49)
2125 W62AD NY 135
(Nedrow w/WCNY-24)

Many others in very strong,Syr Clev,Det,Toledo,S.ONT,Pitts-s/f
27 TR 2030 CFJP 35 PQ 310
2200 UNID 39 French
2210 WCFE 57 NY 270
+ wk Det,Tol,Clev,9.24
Ottawa,Hull 40, WFWA 39

Not a bad September for trop. Trop on the 12th and 27th was very strong even stronger than all that hot DX the 1st week of September; although the long distance stuff has not come back . Keep up the good work Bill. Don't let any ungrateful members discourage you. 73s Greg (Thanx Greg, I try to make ETVDX readable and interesting -BN)

William R. Hepburn - 1211-1547 Mississauga Vly - Mississauga, ON L5A 3X8 (EDT)

Equipment: JVC HR-D630U VCR
12th floor balcony VHF dipoles / indoor 4-bay UHF

August 1990

26 Tr 0040 WLKY 32 KY 485 $
0101 WKEF 22 OH 345
0110 WTJC 26 OH T
0111 WRGT 45 OH 345
0159 WXIX 19 (OH) 410 $
0201 WCET 48 OH 410 $

26 Tr 0205 WKOI 43 IN T
0559 WBNA 21 KY 485
0719 WKPC 15 KY T
1056 WKZT 23 KY 525
27 Tr 2321 Dayton Us 345
2348 WKOI 43 IN T

September 1990

27 Tr 0933 WSFJ 51 OH 285
1146 WPBO 42 OH T

Comments: Some good 500 mile+ tropo on Aug 26. Re the mystery ch 43 xltr on WNWO-24 Toledo rcvd on Aug 9 (see Oct VUD). I suspect this was actually CBLFT ch 44 Peterboro. I have often seen this station relay WVIZ-25 while CBLFT-25 is off. Somehow I think ch 24 was carried in as well showing up on ch 43. The stereo audio of "WNWO-43" was very strong while the video was rather weak. This would also support this theory as the 24 audio is closer in frequency than the 24 video to the actual intended input of ch 25. What a mess! I'm going to have to keep my eye out for ch 26s on 45, hi!
CIAO, Bill.

Ed Phelps Rt 2 Box 266 Benton KY 42025 502-527-2289 *****NEW REPORTER*****

Location; 20 miles South east of Paducah KY 485'elevation
Equipment; Channel Master VHF ant, 5 ft dish for UHF, Channel Master 7477A VHF/UHF amp 1985 GE TV, 38 ft tower,

First week in Sept 1990;....5,7,35 Chicago 7,16, Quincy Ill 6 Davenport IA, 26 Burlington IA, 9 Cedar Rapids IA 49 WI, 39 Rockford, Grand Rapids MI- 13 @ 450 mi, 52 Kalamazoo, 22 S. Bend, 23 Freeport, 35 La Salle, Detroit 56..27+ 21 Madison, 56 Gary Ind, 58 Milwaukee,11-20-44 Chicago Ill, WADL 38 MI, 13 CKCO- ONT, CKCO3 -42-ONT Band shifting East...OHIO.. 35 Lima, 28 Columbus, 14 Oxford, 49 Akron, 51 Newark, 27 Bowling Green, 26 Springfield, MICH.. 62 Det 17 Grand Rapids,...IND W47AZ Indianapolis(Juke box Net)....ILL 49 Springfield,...OHIO...45 Alliance, 21 Youngstown

350 stations to date, from August 1989 to present, TV DX-ers who are Hams, Im on 160 meters (1.883 MC) and late nite 75 meter band (3.940 mc) 11 PM CST , Also Im into R/C model hobby.My Ham call is NN2E, and use SSB. I am looking for up to date TV Listings. (Welcome to ETVDX Ed and we are looking forward to hearing more about TV DX from KY-BN)

Jerry Beaudin PO Box 146 Curtis MI 49820

July 1990

2 TR 2320 WAND 17 IL 459
2325 WICS 20 IL 480
2329 WHOI 19 IL 429
3 TR 0959 WKGB 53 KY 631
26 TR 0823 WEEK 25 IL 430
0825 WIFR 23 IL 319
0827 WHOI 19 IL 429
0829 WTVO 17 IL
0836 WMBD 31 IL 429

September 1990

6 TR 2201 W43AV WI
2204 CBLFT17-68 ON
2209 WUAB 43 OH 389
6 TR 2213 WOAC 67 OH 429
2224 WLLA 64 MI
2225 UNID 69 MI
(W69AV Leeland?-BN)
2230 W65BT WI
2232 WSMH 66 MI 222
2237 WGPR 62 MI 289
2238 WQHS 61 OH 389
2258 WDJT 58 WI 240
2304 WHKE 55 WI
2305 CBEFT 54 ON
2308 UNID 53 ON French
2311 WAKC 23 OH 412
2326 WOIO 19 OH 391
6 TR 2327 CBLN2 34 ON
2329 WEAO 49 OH 409
2330 WFWA 39 IN
2332 CKCO3 42 ON
2345 WXON 20 MI 284
2349 CBLN 40 ON 312
2358 WQLN 54 PA 402
7 TR 0006 WNED 17 NY 401
0016 CKCO 13 ON 317
0024 WJET 24 PA 402
0027 WFMJ 21 OH 436
0044 WYTV 33 OH 437
0046 WKBD 50 MI 284
0100 WSFJ 51 OH 464
0107 WVIZ 25 OH 391
0128 WICD 15 IL 438
0159 WTAP 15 WV 519

The night of Sept 6 was great. Every UHF channel had something on it.(Under normal conditions there are no watchable U's here). I got several channels & states I hadn't got before. The best was ch 15 which I sat on for almost a hour with my antenna pointed towards the S.E. which was the strongest direc. Luckily WTAP stayed on & in longer than WICD. (Jerry is moving 5 miles away to a place with 160 acres and 90' higher elevation. Good luck with your new location and we will be looking forward to seeing more TV DX reports from North Michigan. And thank you for your effort in tracking down a distributer for those 110/130 filters,hopefully these people can help you out. Thanx for helping your fellow DX-ers out! -BN)

Christopher S. Dunne 21500 Johnson ST Box 533 Pembroke Pines FL 33029

2 stations on Ch 3 at 0845 on Sept 27 via ES was belived to be GUATEMALA and had a talk show and a commercial for a movie, perhaps Hulk Hogan. Also mentioned "LUX-2 Theater"... The other Ch 3 I belive to be Mexico, it had a female clown The logo for the GUATEMALA on 3 was the same logo I seen 7 years ago. Also ment "GUATEMALTECO". FM had COLUMBIA.... PANAMA, COSTA RICA and HONDURAS.....(Nice going on this DX catch!-BN) (This was phoned into me-BN)

Matt Sittel, PO Box 21421, Raleigh, NC 27607 (919)546-9370

August 1990

27 tr 0842 Conditions up north and south. 13 Florence,SC over local W13CI, and weak WHMM-32 DC (241) in.
28 tr 0841 WHMM again.
2028 Conditions up. WHSW-24 MD (268) and 26 and 32 DC in.
2258 to 2329: North way up. 20 in DC now in with 26 (both 241) but 32 gone (when do they -=?). 50 DC (242) also there. 45 and 54 Baltimore in (274,268), along with 53 Goldvein (213). WVIR-29 (158) in well.
29 tr 0754 to 1100: Great opening! Soon after I turned the set on, there was a power outage lasting from 0810 to 1030, approximately. Things were still up after the power came back on! New was WWBT-12 (140) and WTKR-3 (144). 20,26,32 and 50 DC, 24,45,54 Baltimore, then saw WTKK-66 (225) and WMPB-67 (278), also rare 16 Salisbury (255) about 1040.
1823 to 1900: Severe thunderstorms came through about an hour before, and as usual left some nice signals from nearby stations. Richmond strong with 23 in great and 35 near local strength, and new WCVW-57 (138) noted. Even 26 DC and 53 Goldvein made it in!
30 tr 0824 26 and 32 DC in weak.
31 tr 0800 to 0853: There is a hurricane east of Bermuda...I've got to think that this was the cause of this great DC tropo. 32 and 50 in color, same for 24 Baltimore. 66 Manassas in. 29 Charlottesville weak, and WDBJ-7 even in (132) over WITN-7. 38 Roanoke in color.

September 1990

1 tr 0734 to 1120: Another great morning tropo. 20,26,32 and 50 DC,24 and 54 Baltimore, 29 Charlottesville weak, 66 Manassas, 56 Fairfax in but not 53.
7 tr 0818 to 0840: 32 DC and 54 Baltimore in, but also 24 Charleston,SC (200).

I left out the majority of the loggings under 200 miles that I saw, as it would be a lot of repetition. The last part of September has been unusual because there has been hardly any DX to speak of. Perhaps October will be better. 73s Matt.

Eastern TV Dx November 1990

Robert S. Ross VE3JFC Box 4373 STN C London ONT CANADA N5W 5J2

Equipment; Toshiba Portable FM Beam-VHF Flying Arrow-UHF

AUGUST 1990

31 TR 2050 WFWA 39 IN

SEPTEMBER 1990

1 TR 0326 WHEC 10 NY
3 TR 2000 WNEP 16 PA
2010 WYOU 22 PA
3 TR 2020 WVIA 44 PA
2017 WOLF 38 PA
2026 WBRE 28 PA
2144 WKBS 47 PA
2250 WENY 36 NY
3 TR 2316 WETM 18 NY over TVO London!
4 TR 0510 WPBN 7 MI
0515 WWTV 9 MI
0525 CKCO 11 ON
0550 CBCE 16 ON

Joseph Fela -150 Robert Place - South Plainfield, N.J. - 07080

Equipment: G.E. monitor, Antennacraft P-7 dish @ 35 ft., Winegard PA-4975 amp, rotor.

September 1990

3 Tr 0046 W59AA 59 CT 89
(West Haven WVIT-30)
0059 WGCB 49 PA 124
0109 WI7AC 17 NY 22
(New York WPIX-11)
(WPHL off)
4 Tr 0700 WTBY 54 NY 82
0735 CBLFTt 25 ON
(See Note #1)
1800 WHAI 43 CT 76
(See Note #2)
2000 CICA 19 ON 329
TV Ontario
5 Tr 0000 WCET 48 OH 545
0101 WNEO 45 OH 350
0105 WOIO 19 OH 376
0108 WAKC 23 OH 372
0114 WYTV 33 OH 327
5 Tr 0130 WNNE 31 VT 240
0146 WXIX 19 KY 544
0201 WJET 24 PA 321
0229 WLEX 18 KY 566
0253 WHAG 25 MD 185
0255 Home Shopping
on 28 and 30
(See Note #3)
0259 WKEF 22 OH 519
(See Note #4)
0300 WDRB 41(IN) 636
(WXTV-41 off)
0303 WKBN 27 OH 327
6 Tr 2034 WUTR 20 NY 180
2300 WETK 33 VT 276
8 Tr 0930 WETM 18 NY 162
9 Tr 1000 WHSH 66 MA 192
9 Tr 1300 Harrisburg area strong (15, 21 o/WLIW 27, 33, and 43)
1320 W38AN 38 PA 177
(Chambersburg WITF-33)
1325 WLXVt 65 MD
(See Note #5)
12 Tr 0102 WWPB 31 MD 185
2330 WSBE 36 RI 179
13 Tr Local WHSE-68 off from about 0000-0030 leaving weak signals to the NE (WQTV?) and NW (WSYT?)
0013 WCVX 58 MA 227
(WNJB-58 Off)
0035 Boston 25-38-56

Note #1. An unusual bar pattern noted around 0715. Programming started, apparently, around 0730. Man and woman with a morning show, in French, with spots in French.
Note #2 WHAI noted running some spots. In the middle of one, they went to a slide announcing their sign-OFF (at 6 p.m.!) and pulled their carrier seconds later.
Note #3 About the Home Shopping Club noted, 28 was not WBRE and 30 was not WVIT. In view of the area coming in, OH, KY, or ??? seem possible. Anyone with any ideas?
Note #4 Time approximate as I failed to write it down but a positive ID was caught. Unusual programming at time: continuous used car ads!
Note #5 This over WHSP-65. Cumberland ad noted, then into a taped football game (looked like a high school game taped a previous evening - cable quality coverage).

As for the lack of VHF DX, I plan to only DX UHF. As I am in the New York Metro area, 22 miles from Manhattan (not to mention 58 miles from Philadelphia), there aren't too many DX possibilities on VHF. But it is interesting to see what is possible on UHF. As Washington, Baltimore, Annapolis, Salisbury, Hartford (+ WGGB-40), Northeast and Central PA, and Binghamton are all very common, I will not bother listing them except for unusually good receptions. Even then I may not.

For those looking for WYBE-35, they are on nightly from about 1900-2300 and that's it. I don't understand the existance of this station. They were off for about 10 days around the beginning of September. I'm told that was due to a lightning strike.

73, Joe

John F Combs PO BOX 7581 Tallahassee FL 32314 904-878-6317 NEW ADDRESS & PHONE
(Ed; John called me and wrote to me and mentioned he had just moved to Tallahassee FL after being offered a promotion in his job, he saw with a 4 bay and 4990 amp; Trans gulf tropo CH 23 Brownsville TX @ 875 mi & CH 9 Renosa MX(ECO) at 901 miles! John, congradulations on your promotion! We all look forward to hearing more on your super DX!-BN)

Jeff Wolf 1131 University Blvd W, Apt 701 Silver Spring MD 20902

August 1990

29 TR 0039 WPTF 28 NC 251
WKFT 40 NC 265
WYED 17 NC 248
30 TR 0726 WRDG 16 NC 251
+WYED-17,NC-28-40

September 1990

1 Tr 0209+WYED-17,WPTF-28
0229 WPDE 15 SC 349
0230 WKFT 40 NC 265
0232 WPTF 28-cci
0301 WCTI 12 NC 269
3/4 CB-ID @0557
0306 W34AX NC 202
Channel America
"WAX-TV 34 Henderson"
0308 WBTW 13 SC 349
gd to vgd over
WJZ,ID at 0345
0343 WRDG 16 NC 251
ID 3/4 CB
WTAT 24 SC t
cci WHSW
0345 WPTF 28 NC-s/f
GW 0352 WMPT testing
TR 0405 UNID 7,9 lcl's off
0535 WPTF lcl qual
0541 WFXI 8 NC 289
ID 3/4 CB
WGAL 8 PA
8 cci
0545 WECT 6 NC t
0546 SC 15 3/4 CB
0557+WCTI 12 NC 269
VA 12 s/on ID 3/4 CB
0558 WGAL 8 PA-s/on
WFXI- 8,8-WRIC
VA 8 CB-TP
0559 WRIC 8 ID-CB
local quality

1 TR 0559 UNID 8 z CCI
GW 0600 WUSA 9 on
TR 0603 WLFL 22 NC 251
0614 WJKA 26 NC 344
0633 SC,NC 25 t
0636 WUNP 36 NC 195
0637 WUNJ 39 NC 344
0710 WLXI 61 NC t
WGGT 48 NC 256
o/W48AW
WUNM 19 NC
0729 WJPM 33 SC 358
WRLK 35 SC 409
NC 11 vgd
0733 WITN 7 WNCT-9
cci o/locals
0738 WRAL 5 NC t
cci o/WTTG
0750 SC 15 good to
very good
0753+WCCB 18 NC 332
WIS 10 SC t
0800 SC 2,19,23 t
0815 WUNC 4 NC t
cci o/WRC
0817 WJZY 46 NC 339
0821 WRJA 27 SC
0827 WNSC 30 SC 369
0829 ID, 30+cci
0832 WCNC 36 NC 332
0928 WTAT 24 SC 430
o/WHSW
0934 WRLH 35 VA-cci
1100 fade outs
2 TR 2311 WNEO 45 OH t
3 TR 0135 WKBN 27 OH t
WTTE-28t,WYTV-33t
4 TR 2325 WYED 17 NC 248
5 TR 0002 WAKR 23 OH 278
0020 WQEX 16 PA

5 TR 0200 WTTE 28 OH 319
0225 WKFT 40 NC 265
0035 WKBN 27 OH 238
0318 WCBS 2 NY 196
(my local Hi-BN)
UNID 2z
WMAR off
0647 WBOC 16 MD-cci
0720 WYED 17 cci-z
NC 28-40
1807 WJKS 17 FL t
over WYED
1820 WKFT 40 NC 265
1835 WAWS 30 FL t
1940 WDLI 17 OH t
2320 WPTF 28 NC 251
6 TR 0706 OHIO 22,33t
WNEO 45 OH
7 TR 0635 NC-11-28-39-40
0755 WNJU 47(NY) t
(Jeff call me I'll confirm
if it is them-BN)
8 TR 1951 WQEX 16 PA 40
WUAB 43 OH t
11 TR 0650 WYED & WPTF
12 TR 0639 WUAB 43 OH t
WKFT 40 NC 265
14 TR 0130 WNEO 45 OH t
18 TR 2231 WQEX 16 PA
21 TR 1800 WJWJ 16 SC t
WYED 17 NC 248
1805 WTAT 24 SC t
1812 WJKS 17 FL t
1939 WDLI 17 OH t
2000 WAKR 23 OH 278
2347 WJWJ-16t,WJKS-17t
22 TR 0037 WPDE 15 SC t
0156 Fade outs
1440 WYED 17 NC 248
1915+WYED 17 NC 248

That dude from Joisey (Da Editor) P.U. BOCKS 2999 Cliften Nue Jerrzey 070000015 (zap cord)
(sorry...I couldn't resist-Heh!)

Sept TR-The last 4 days had DX mainly to MD. Late nite/Early morn had WBOC-16,22,28,45 and even WMDT-47-MD w/lcl off, added WFMZ-69-PA on 13 w/lcl 68 off. OK avg tropo.

October 1990

4 TR 0000+ Front approaching and High Pressure still in area. Per Joe Fela tip, lcl 68 off temp, to the NW UNID 68 likely WSYT 68 Syracuse in/out with Arsenio Hall, lcl 68 back on @!¢%*#&%! 24 Syr-gd, York 43,WCDC-19-MA-s/f, WNNE-31-VT real good! lcl off+ Albany 23 Tired went to ZZZZ.

6 TR 0640+DELMARVA,NORFOLK VA Areas;WGNT-27-VA-307, WUNJ-39-NC-507 (farthest UHF DX to date) ID w/3/4 CB & "NCPT" 0720 WTKK-66-VA-245, WTVZ-33-VA-307, MPT-22,28, 0800 WBOC-16-MD-s/f, All gone by mid morn.

7 TR 0010+ Boston 25,38,56,66, CT-26, Spr 40 ALL LOCAL QUALITY & s/f 0015+ UNID 50(lcl off) to the NE with a classical music prg. NOT 50 DC with the same direction as Boston I think it could be Derry NH! Are they on the air? Did they run a classical music prg? they were gone in 10 minutes &¢%#@*! 0750+ Harrisburg,York, Allen town PA U's all Local & bleeding over! WHP-21-PA SOLID over lcl WLIW!!!

9 TR 2300+ DELMARVA,NORFOLK VA-300 mi+ Not as good as the opening on the 6th . FM was better.Gone in 2 hrs.

Comments; Norfolk VA did not seem common here this past season on trop, so the Oct 6th opening was very welcome and of course WUNJ-39-NC at 507 miles. Considering how far out that was I still have hope of perhaps seeing South Carolina or (gasp!) Florida. One can only hope. The NJ DX-ers in the Central part of the state seem to get out better to the South and Southwest than I do, but here in Clifton (NE New Jersey) I get out better to the North & North East (Albany NY, Adams MA & Boston). For example Joe Fela gets Hagerstown MD on trop, I have never seen Hagerstown here..not a trace. I have seen WXXA Albany NY countless times , Joe has not even seen a sync bar out of them! It is really amazing how only some 30 miles can make a Major difference! Hopefully trop will continue-BN

WESTERN TV-DX

Fred McCormack
Box 9077
Prairiewood Station
Fargo, ND 58106-9077

November 1990

Deadline: 12-06-90
Cut-off: 09-01-90

New____ New Mode_ _ Tent. - t Unidentified - unid S/On - + S/off - =
ID Color Bars - @ Unid Color Bars - % Misc. Test Patterns - &
Parallel Programming - // MTS Stereo - $

BN Baja California Norte CH Chihuahua CU Coahuila NL Nuevo Leon
ZA Zacatecas

William Draeb, Ellis St., Rt. #2, Kewaunee WI 54216 (414-388-2350) CDT

Equipment:
7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagis @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-2026 (lo-band) yagi. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 60's) (used with antennas on 40' tower). Panasonic 9" b&w portable.

August 1990

25 tr 0556 @WEIU 51 IL 345
0620 WDKY 56 KY 480
WAFF 48 AL 685
0633 WSEE 35 PA 405
1359 WCET 48 OH 400
WIII 64 OH 400
WXIX 19(OH) 400
WCVNt 54 KY
WPBO 42 OH 461
WOSU 34 OH 395
1408 WNEO 45 OH 405
2100 K58CM 58 MN 275
(Duluth TBN)
KSAX 42 MN 374
(Snow free)
Twin City U weak
W57AR 57 WI 145
(Sayner WSAW- 7)
2155 *KAWBt 22 MN*
2207 Twin City U good
26 tr 1808 WTVQ 36 KY 473
WKLEt 46 KY
WCET 48 OH 400
WKON 52 KY 437
WDRB 41(IN) 430
1835 WYMT 57 KY 550
WSBN 47 VA 587
1838 WMSY 52 VA 612
WKSOt 29 KY
WXIX 19(OH) 400
WEMTt 39 TN
WIII 64 OH 400
2050 *WPBOt 42 OH*
27 tr 1823 WOSU 34 OH 395
WTTEt 28 OH
WGRB 34 KY 515
WTVQt 36 KY
WKON 52 KY 437
WCET 48 OH 400
1825 WMSY 52 VA 612
WIII 64 OH 400
WDRB 41(IN) 437
1912 WPBO 42 OH 461
WXIX 19(OH) 400
1916 WYMT 57 KY 550
27 tr 1916 WCCO 4 MN 280
(Snow free)
(Twin City U's so-so)
29 tr 1830 W43AV 43 WI 105
(Waukesha LPTV-CHA)
30 tr 0700 WCET 48 OH 400
WIII 64 OH 400
WKON 52 KY 437
WDRB 41(IN) 437
31 tr 0600 W30AL 30 IL 199
(Plano LPTV-CHA)
Cincy UHF's 400
1815 W45AJ 45 IL 165
(Rockford LPTV-CHA)
33, 62, 68 also in snow free
1830 KSPR 33 MO 589
KDEB 27 MO 589
KOZK 21 MO 589
KMIZ 17 MO 470
KSNF 16 MO 630
1932 WHSL 46(MO) 432
(Snow free)
K52AYt 52 MO
1951 KDNL 30 MO 432
2005 *K58DHt 58 MO*
2129 WNEO 45 OH 405
2206 KFVS 12 MO 512

September 1990

1 tr 0156 *KPTMt 42 NE*
0532 WKBN 27 OH 420
2 tr 2020 W47AZ 47 IN 320
(Indianapolis VJN)
WCET 48 OH 400
WDRB 41(IN) 437
WKMJ 68(IN) 430
W43AV 43 WI 105
(Abv 3 snowfree)
2030 W19BA 19 MI 145
(Grand Rapids TBN)
(Morse code ID)
WIII 64 OH 400
W69BT 69 IN 200
(South Bend WCIU-26)
2 tr 2030 W24AI 24 IN 190
(Michigan City TBN)
(Abv 2 snowfree)
2115 WTVQ 36 KY 473
2133 WCVN 54 KY 407
WKON 52 KY 437
2236 WEIU 51 IL 345
(Snow free)
W57AO 57 IL 370
(Robinson LPTV-TBN)
W34AY 34 IL 300
(Champaign LPTV-TBN)
WUSI 16 IL 402
WVUT 22 IN 405
3 tr 0800 WUTV 29 NY 445
WNED 17 NY 445
WNYB 49 NY 445
CIII41 41 ON 410
CFMT 47 ON 410
CITY 57 ON 410
0828 KDNL 30 MO 432
CIVO 30 ON 582
(Jerry Lewis MDA)
CICO24t 24 ON
1507 WDRB 41(IN) 437
1528 WJET 24 PA 405
WSEE 35 PA 405
WQLN 54 PA 405
1540 *WETGt 66 PA*
(u/ WSMH & WGBO)
1731 *WNPEt 16 NY*
WFYFt 50 NY
WGGN 52 OH 325
1800 Peoria's U's
(Snow free)
1830 WAKC 23 OH 380
1900 Youngstown U's
including ch 58
WNEO 45 OH 405
WEAO 49 OH 380
WPGHt 53 PA
WOAC 67 OH 390.
WSFJ 51 OH 395
WPCBt 40 PA
1915 WCET 48 OH 400
WDLI 17 OH 395

3 tr 1915 WBNX 55 OH 380
CBLFT17 68 ON270
2051 CBLN2 34 ON 270
2055 WYMT 57 KY 550
WIII 64 OH 400
WKMJ 68 KY 437
WDKY 56 KY 480
WEMTt 39 TN
WGRB 34 KY 515
WKSO 29 KY 538
2115 WKON 52 KY 437
WKPC 15(IN) 430
5 tr 1739 Erie 24, 35, 54
(Snow free)
Most lower ON
U's booming in
WETGt 66 PA
Kitchener 56, 61
London 18,40,53
WNYBt 49 NY
Sarnia 34 and 68
CBLN4 45 ON 310
WNEO 45 OH 405
2011 CFMT 47 ON 410
CIII41 41 ON 410
WNED 17 NY 445
CBCE 16 ON 270
W64AK 64 OH 385
(Conneaut WVIZ-25)
Youngstown 21,27
and 33
CICA51 51 ON 615
2130 CITY 57 ON 410
2223 W58AM 58 OH 420
(Youngstown WNEO-45)
7 tr 1737 WDRB 41(IN) 437

7 tr 1737 WPBO 42 OH 461
11 tr 2206 W54AF 54 OH 340
(Bucyrus LPTV)
WOAC 67 OH 395
WSFJ 51 OH 395
WOSU 34 OH 395
WPGH 53 PA 480
WGGN 52 OH 315
WPTTt 22 PA
WQEXt 16 PA
WOUC 44 OH 427
WEAO 49 OH 380
2234 *WKBSt 47 PA*
KSAX 42 MN 374
KRWF 43 MN 395
(Snow free)
Twin Cities V's
and U's good
12 tr 0530 WQLN 54 PA 405
WSEE 35 PA 405
@CIII27 27 ON 458
(Briefly)
0548 *WPCBt 40 PA*
Plus lots of the
same as 09/11
15 tr 0649 @WUSI 16 IL 402
WEIU 51 IL 345
20 tr 2003 WAFF 48 AL 685
WZDX 54 AL 685
WKGB 53 KY 553
WEVV 44(KY) 420
WBMGt 42 AL
2008 WDRB 41(IN) 437
(Still indie)
WTVQ 36 KY 473
WZTVt 17 TN

20 tr 2008 *WXMTt 30 TN*
WUSI 16 IL 402
WFIE 14(KY) 420
2017 WEIU 51 IL 345
WFLI 53(GA) 670
2023 WTCI 45 TN 650
WDSI 61 TN 650
2028 *WJSUt 40 AL*
WDKY 56 KY 480
WKMJ 68(IN) 437
2048 WKON 52 KY 437
WNALt 44 AL
WFIQt 36 AL
WGRB 34 KY 515
WKSO 29 KY 538
2055 WEHT 25(KY) 420
WHIQt 25 AL
WCTE 22 TN 587
2059 WCLP 18 GA 685
(A- "Chatsworth-
Dalton")
WKPC 15(IN) 437
2122 *WKLEt 46 KY*
2130 *WAAYt 31 AL*
WSBNt 47 VA
2141 *WMTTt 28 TN*
WLEX 18 KY 473
2202 WKHA 35 KY 554
WEMT 39 TN 613
2210 WYMT 57 KY 554
21 tr 0515 WKHA 35 KY 554
WKPT 19 TN 620
WTVQ 36 KY 473
0630 WCET 48 OH 400
1827 WDRB 41(IN) 437

I noticed W45AJ, Rockford IL, snow free with Channel America programming as was W43AV, Waukesha WI. Some of the commercials on the two stations were different though at the same time; probably locally originated.

After considerable thought, I've concluded that my logging of KNBC-4 on May 28th was only tentative. I didn't see enough information to be more conclusive.

Doug Allen, P.O. Box 5646, Woodland Park CO 80866 (W2CRS) (719-687-3549) CDT

Equipment:
1981 11" black and white Magnavox or 1977 11" black & white Panasonic, with a Channel Master 1110 @ 35' with a Channel Master 0095 preamplifier and HAM-M rotor. On UHF - Antennacraft Y44G up 40' and a Radio Shack 15-1115 UHF preamplifier.

September 1990

11 tr 0410 *KMTVt 3 NE*
(CNN News - KTVS
off air)
0422 KSNK 8(KS) 240
0500 KUPK 13 KS 255
(Local KRDO off)
KSNG 11 KS 240
(Local KKTV off)
0730 KSTF 10 NE 220
16 tr 0242 KSTF 10 NE 220
0250 *KAYSt 7 KS*
18 tr 0730 KSTF 10 NE 220

18 tr 0735 *KRNEt 12 NE ne*
20 tr 0710 KSWK 3 KS 230
(Stronger than
semi-local KTVS)
KBSL 10 KS 190
(Strong)
0712 *KWCHt 12 KS*
0730 KUPK 13 KS 255
(o/ local KRDO!)
KSNG 11 KS 240
(o/ local KKTV!)
0800 *KOODt 9 KS*
(CCI on KUSA)

20 tr 0801 *KPNEt 9 NE*
(PBS - occ. over
nulled KUSA)
27 gw 0359 K06-- 6 CO
(Unknown nw KCNC- 4)
0400 K06-- 6 CO
(Unknown sw KUSA- 9)
0402 K13-- 13 CO
(Unknown nw KUSA- 9)

October 1990

1 tr 0149 *WIBWt 13 KS*
(Local KRDO off)
0205 unid ch 5 ne CNN

Some strong openings up to 300 miles, but little beyond that since the antennas went up on the tower. I noted Topeka, Lincoln and Kansas City weakly on FM briefly on October 1st when tentative WIBW-13 was observed. My VHF TV system now compares

Doug Allen (continued) favorably with my FM system, but channels 3, 6, 8, 10, and 12 are normally the only open ones here as the others are mostly no silent period. My Radio Shack UHF preamplifier is overloading, giving me images on so many channels that I haven't tried to sort things out there.

(Doug, I think your channel 6 with KCNC-4 and channel 13 with KUSA-9 may be K06DA and K13FN, respectively, at Alma and some 59 miles from your QTH. I think your channel 6 with KUSA-9 may be K06HF serving Buena Vista and Salida 62 miles from your QTH. The Alma translators are about 3.8 miles north northeast of Alma at around 12000' asl. The power is listed at 21 Watts erp. The Buena Vista/Salida translators are located on the eastern slope of Mount Princeton at about 10500' asl. The power is listed at 14 Watts erp. You might want to check your topo maps for path obstructions. fm)

Frank Merrill, P.O. Box 669, Macomb IL 61455 (309-833-2661) CDT

Equipment: See October 1990 Western TV-DX

July 1990

1 tr 2214 KSNB 4 NE 385
2 tr 0007 KUSD 2 SD 409
KYNE 26 NE 286
(Rare)
KSIN 27 IA 326
0040 WLEF 36 WI 379
0146 KCAU 9 IA 325
W43AG 43 KY 295
(Hopkinsville LPTV)
WEMT 39 TN 526
WFLI 53 TN 490
WDSI 61 TN 465
0400 W36AK 36 TN 367
(Nashville TBN)
0529 @KABY 9 SD 488
0543 KDLO 3 SD 470
(CCI only)
1820 WSBN 47 VA 496
1915 WWTV 9 MI 370
1958 WGTQ 8 MI 506
2000 WWUP 10 MI 507
2100 W69AV 69 MI 410
(Leland WCMV-27)
2151 WSCO 14 WI 330
WHRM 20 WI 310
WHWC 28 WI 320
WLEF 36 WI 380
WPNE 38 WI 305
2200 WBAY 2 WI 305
(Rare)
WFRV 5 WI 303
WJFW 12 WI 365
WLUK 11 WI 305
2316 CICO19 19 ON 633
(Under WHOI-19)
(Same offset)
3 tr 0116 =W27AU 27 WI 310
(Wausau WJFW-12)
WEAU 13 WI 290
0143 (See Note # 1)
0253 CKNC 9 ON 637
(See Note # 2)
0305 W24AI 24 IN 215
(Michigan City TBN)
@CKCO 13 ON 552
0420 WWTV 9 MI 370
0443 @WPBN 7 MI 365
3 tr 0448 WLUC 6 MI 429

3 Es 1729 KKTO 2 NM 920
tr 2100 most WI U's
2326 K40CO 40 IA 270
(Storm Lake KMEG-14)
4 tr 0540 WCMU 14 MI 370
KMEG 14 IA 325
0600 out to 400 miles
all directions
except south
Es 1928 KDTN 2 TX 646
1929 KDFW 4 TX 646
6 tr 0635 WKPC 15(IN) 294
Es 0814 WWAY 3 NC 810
0834 WCBD 2 SC 795
1859 WKTV 2 NY 825
1954 WMAR 2 MD 745
2000 WRC 4 DC 726
(Previous by ms)
tr 2040 WEMT 39 TN 526
WKPT 19 TN 535
(CCI only)
Es 2119 WWAY 3 NC 810
7 tr 0235 @WJHL 11 TN 536
(All night bars)
0455 WEMT 39 TN 526
WLOS 13 NC 552
(CCI only)
nothing else
Es 1218 WTVJ 4 FL 1165
1300 WPBT 2 FL 1165
WESH 2 FL 955
1336 XEJ 5 CH 1070
1344 KGBT 4 TX 1070
1356 KRGV 5 TX 1070
1400 WJXT 4 FL 870
1448 WSAV 3 GA 775
1729 KWGN 2 CO 770
2056 CKCK 2 SK 960
2104 CFRN 3 AB 1380
2125 CITL 4 AB 1270
CFAC 2 AB 1345
2200 KRTV 3 MT 1130
KXLY 4 WA 1400
8 Es 1331 WWAY 3 NC 810
1400 WCIV 4 SC 795
1500 WTVR 6 VA 732
WRAL 5 NC 735
WUND 2 NC 835
1700 WESH 2 FL 955

8 Es 1700 WUFT 5 FL 875
1715 WSAV 3 GA 775
1800 WPBT 2 FL 1165
1930 WWAY 3 NC 810
2000 WKRG 5 AL 690
KGWN 5 WY 750
2128 WFSB 3 CT 930
spent time on FM
9 Es 0046 CKCK 2 SK 960
1700 KTVK 3 AZ 1275
2102 KVBC 3 NV 1350
2104 KMID 2 TX 865
2128 KIDY 6 TX 825
2132 KMOL 4 TX 885
KACB 3 TX 820
2200 KIII 3 TX 970
2215 KGBT 4 TX 1070
2314 XEPM 2 CH 1070
11 Es 1230 KNAZ 2 AZ 1200
KKTO 2 NM 920
1330 KENW 3 NM 860
KAMR 4 TX 705
1339 KDBC 4 TX 1065
1400 KTVK 3 AZ 1275
XHPN 3 CU 985
1617 KCCZ 4 UT 1216
1712 KPRC 2 TX 800
KACB 3 TX 820
1713 KWAB 4 TX 825
(Rare)
KMID 2 TX 865
1729 KFDX 3 TX 628
1919 XEPM 2 CH 1070
KENW 3 NM 860
KDBC 4 TX 1065
(See Note # 3)
CFQC1 3 SK 1150
2100 KVBC 3 NV 1350
2215 KATC 3 LA 725
KIII 3 TX 970
2300 KWGN 2 CO 770
KTVS 3 CO 650
(Rare)
2302 KGWN 5 WY 750
2312 KCNC 4 CO 770
12 Es 1300 XHIT 4 CH 1195
(See Note # 4)
KVOA 4 AZ 1240
KNAZ 2 AZ 1200

Frank Merrill (continued)

12 Es 1315 KTVK 3 AZ 1275
1330 XHFI 5 CH 1195
1500 KVBC 3 NV 1350
1530 KPHO 5 AZ 1275
1600 KTVS 3 CO 650
KCCZ 4 UT 1215
1700 KSL 5 UT 1130
1736 KUTV 2 UT 1125
13 Es 1330 KENW 3 NM 860
KDBC 4 TX 1065
2000 KBME 3 ND 661
CKND2 2 MB 820
2159 KKTO 2 NM 920
2317 KOB 4 NM 935
2320 KTVK 3 AZ 1275
14 Es 2045 KREM 2 WA 1404
2100 KLEW 3 ID 1380
KXLF 4 MT 1155
2211 WCAX 3 VT 945
WLBZ 2 ME 1150
2217 CBAFT1 5 NB1296
CHSJ 4 NB 1274
15 Es 1929 WFSB 3 CT 930
2305 KBCI 2 ID 1320
16 Es 0033 KUTV 2 UT 1125
0100 KREG 3 CO 885
17 Es 2058 WWAY 3 NC 810
2100 WSJK 2 TN 491
(See Note # 5)
2113 WCBD 2 SC 795
2200 KKTO 2 NM 920
18 Es 1800 CFQC1 3 SK 1150
CBCP1 3 SK 1070
1830 KACB 3 TX 820
WUNC 4 NC 695
1838 WUND 2 NC 835
unid ch4+ Mexico
1929 WRAL 5 NC 735
2000 WTKR 3 VA 805
19 Es 0333 CKND2 2 MB 820
unid 3/4 CB's on
chs 3,4 - CKBI?
ms 0417 WSIL 3 IL 218
(Previous by tr)
tr 0430 WGPR 62 MI 410
Es 0445 all fade out
1000 WPBT 2 FL 1165
1020 KMOL 4 TX 885
1030 KIII 3 TX 970
1127 WESH 2 FL 955
WEDU 3 FL 995
WPTV 5 FL 1130
WCPX 6 FL 980
1207 WUFT 5 FL 875
WCIX 6 FL 1185
1220 KRIS 6 TX 965
1223 KJAC 4 TX 735
KENS 5 TX 885
1331 WTVJ 4 FL 1165
unid full CB ch2
1900 XEFB 2 NL 1165
1912 XHIT 4 CH 1195
(// XHRED-13)
1921 KVBC 3 NV 1350
2000 KNAZ 2 AZ 1200
XHBQ 3 ZA
2020 KTVK 3 AZ 1275
2026 XHBC 3 BN 1476

20 Es 1630 WCBD 2 SC 795
2200 KTVQ 2 MT 965
22 Es 2025 KTVX 4 UT 1130
2035 KUTV 2 UT 1125
KSL 5 UT 1130

August 1990

1 tr 0330 Clevelnd, Pittsburgh, Columbus UHF's
WEAO 49 OH 470
WNEO 45 OH 510
WDLI 17 OH 490
WSFJ 51 OH 435
WWAT 53 OH 400
0400 WPXI 11 PA 557
WPCB 40 PA 570
WVIZ 25 OH 465
0437 WTRF 7 WV 520
0446 WTOV 4 OH 525
WTOL 11 OH 390
WTVG 13 OH 385
WPTO 14 OH 320
WPTD 16 OH 340
WHIZ 18 OH 457
(Over WLFI)
WKBN 27 OH 523
0452 WHSE 68 NJ 871
0508 WNPB 24 WV 576
0525 WTGI 61 DE 810
(CCI only)
0530 K58DH 58 MO 135
(St. Louis VJN)
0535 *WFMZt 69 PA*
0550 WOUC 44 OH 490
WOSU 34 OH 405
0608 WHSE 68 NJ 871
(Stll in weakly)
2030-2130
WPXI 11 PA 557
WPGH 53 PA 555
WJW 8 OH 469
WQHS 61 OH 470
WNWO 24 OH 390
WUPW 36 OH 390
WTSF 61 KY 460
WPBY 33 WV 469
2230 WSWP 9 WV 545
2 tr 0305 W62BU 62 IL 150
(Rockford WWTO-35)
0446 WCMH 4 OH 402
0549 *W29AIt 29 OH CCI*
Es 1832 KREG 3 CO 885
1900 KDTN 2 TX 645
KENS 5 TX 885
1930 KMOL 4 TX 885
2000 KENW 3 NM 860
2030 WUFT 5 FL 875
KDBC 4 TX 1065
KAMR 4 TX 705
2100 KACV 2 TX 705
KKTO 2 NM 920
2246 KOAA 5 CO 755
8 tr 2300 WQHS 61 OH 470
10 tr 0107 KTBO 14 OK 500
0149 KARD 14 LA 585
Es 1400 KNAZ 2 AZ 1200
1900 WEDU 3 FL 995
WESH 2 FL 955
1930 WTVY 4 AL 715

10 Es 2100 WPBT 2 FL 1165
WDIQ 2 AL 660
WWL 4 LA 730
2200 KMID 2 TX 865
12 Es 1700 WESH 2 FL 955
WEDU 3 FL 995
17 tr 0141 W54-- 54 ??
(Unknown Family Ch)
(Paducah ??)
K45CA 45 MO 220
(Cape Cirardeau TBN)
0400 W20AG 20 WI 270
(Sheboygan TBN)
1834 W65BV 65 IL 70
(Springfield WSEC-14)
18 ls 0025 WQHS 61 OH 470
se snow free to
300 miles
K45CA 45 MO 220
W43AGt 43 KY
(Open carrier)
24 tr 2100 CITY 57 ON 616
Canada 42,45,48,
54, 61, & 68
Clevelnd CCI 470
Toledo 390
Birmingham Us525
Huntsville Us450
2235 WTCI 45 TN 465
2330 WYMT 57 KY 459
WATL 36 GA 574
WDSI 61 TN 465
(Snow free)
25 tr 0130 Nashville,
Cincinnati, etc.
0230 W30AL 30 IL 140
(Plano CHA)
0231 W19BA 19 MI 306
(Grand Rapids TBN)
0307 CIII41 41 ON 616
0311 W62BU 62 IL 150
0332 CIII22 22 ON 437
0355 CIII27 27 ON 684
0403 @CKCO4 11 ON 678
0414 W43AV 43 WI 215
(Waukesha CHA)
0443 CICA51 51 ON 616
("Good Morning"
all night ID)
1900 WFWA 39 IN 290
WNWO 24 OH 387
(Snow free)
CBLN 40 ON 508
CICO53 53 ON 508
WXYZ 7 MI 408
(CCI only)
26 tr 0048 WYTV 33 OH 524
0108 WYMT 57 KY 459
0200 WNYB 49 NY 647
0215 WPTT 22 PA 572
WKBSt 47 PA
WPGH 53 PA 557
0258 WTAJ 10 PA 639
0318 W25 25 ??
(??? Hit Video USA)
(Or WHAG relog)
0324 WDCA 20 DC 725
(Weak)
0329 W21AI 21 OH 420
(Portsmouth TBN)

Frank Merrill (continued)

26 tr 0335 WTVE 51 PA 773
(CCI only)
0354 W44AG 44 PA 560
(Erie TBN)
0403 W23AT 23 IL 170
(Mokena VJN)
0432 W48AA 48 WV 620
(Keyser WNPB-24)
WDCA 20 DC 725
("On top")
WBNX 55 OH 473
0433 @CKCO2 2 ON 572
(Previous by Es)
0437 WVAH 11 WV 484
0439 WUSA 9 DC 726
0443 W15AD 15 WV 650
(Wardensville WNPB-24)
0454 WNPB 24 WV 576
0456 CFPL 10 ON 512
0500 WGPT 36 MD 604
0505 WICU 12 PA 562
0518 WOWK 13 WV 468
0527 @WLYH 15 PA 744

26 tr 0539 unid ch 56 sse
0543 WCHS 8 WV 486
WTOV 9 OH 526
0549 WQLN 54 PA 558
Youngstown 21,
27, & 33 525
2300 WQLN 54 PA 558
WOAC 67 OH 490
Cleveland,
Detroit, etc.
2343 WYMT 57 KY 459
WKSF 61 KY 460
27 tr 0000 CBLN 40 ON 508
0115 WYTV 33 OH 523
0208 ON 48, 59, & 61
W66BV 66 MI 410
(Detroit Univision)
(Rare)
0238 W59BP 59 OH 440
(Ashland CHA)
0239 W56CA 56 OH 405
(Delaware CHA)
0240 W29AI 29 OH 485
(Akron CHA)
(See Note # 6)

27 tr 0330 W50BE 50 OH 450
(Mansfield LPTV)
(WX map w/music)
0429 +WOAY 4 WV 535
(Previous by ms)
0440 WVVA 6 WV 553
(Under WRTV)
0445 WBRA 15 VA 606
WSBN 47 VA 496
WMSY 52 VA 547
0457 WKOI-43 on 68 ??
0507 W63AH 63 OH 375
(Maplewood WPTD-16)
0519 KELO 11 SD 369
KPTM 42 NE 295
(Overloading)
0530 KOED 11 OK 410
0548 @KFAA 51 AR 359
2010 Clevelnd, Detrt,
& Columbus U's
28 tr 0113 K40CO 40 IA 260
0114 K55FL 55 IA 320
(Spencer KMEG-14)
0138 CBLN 40 ON 508
0150 WJFW 12 WI 367

Note # 1 - (0143, 7/13) Noted on KTTC-10 sign/off was a mention of K67CH, La Crosse, replacing W83AH. If you never logged a channel 83, you won't.

Note # 2 - (0253, 7/ 3) Noted with full vertical line-groupings test pattern ("multiburst"?) without calls. I used to occasionally see this from Toledo in the early 80's. Offset also matched the WTFDA station book.

Note # 3 - (1919, 7/11) This was a strange opening! There was ABSOLUTELY no fading whatsoever, and the MUF (between KDBC's snow free video and nonexistent audio) did not waver the least bit for at least 20 minutes. Why can one opening be like this and another opening be choppy?

Note # 4 - (1300, 7/12) This might help solve somebody's mystery. This was a Thursday and they had 3/4 color bars which said "Amable teleauditorio de canal 13. Partir a las 13:30 hrs. Continuaremos con nuestra programacion." This message was on a "crawl" at the bottom of the screen. They briefly superimposed calls at 1300.

Note # 5 - (2100, 7/17) I always believed that very short E skip required a stupendous E skip opening! Obviously this was one of those "cheap" openings - never even a sign of activity on channel 4. So, as long as I have "close unlogged stuff", I apparently need to keep alert during very ordinary E skip openings, as well as the July 8th type.

Note # 6 - (0247, 8/27) Noted AUDIO semi-ID on W29AI: "The greatest stars of all time are on WAI, Cleveland 29"

Ronald Purdue, Route #1, Box 224, Byron MN 55920 CDT

Equipment:
RCA 13" XL-100 color TV, Winegard CS-8200 antenna at 25', Channel Master 0064C preamplifier, Archer amplified video selector.

September 1990

1 tr 1803 KPTM 42 NE 263
2019 WQRF 39 IL 218
2046 KMEG 14 IA 218
2055 KCAU 9 IA 218

1 tr 2101 KTIV 4 IA 218
KSIN 27 IA 218
KDSM 17 IL 178
6 tr 0650 KDNL 30 MO 400

6 tr 0654 KJMH 26 IA 240
0658 WHSL 46 IL 400
12 tr 0648 WDJT 58 WI 237
0650 WJJA 49 WI 259

This month's tropo conditions were excellent for the first half while in the last half of those conditions were suddenly "burned off" by passages of several Canadian cold fronts.

Other news around here - I saw test patterns of KXLI-41 in St. Cloud on the 27th. Finally, KXLI and KXLT, here in Rochester, returned to the air on the 29th at 1430 with their "TV Heaven" programming along with paid programming that I think no one is watching!

So, not much to report this month. I don't know when the next report will get to Western TV-DX. 73's and see you in 30.

Christopher W. Hanley, 1321 Beecher Avenue, Galesburg IL 61401 CDT

Equipment:
VHF antenna (unknown vintage) at approximately 30 feet. Tabletop Radio Shack
UHF bow tie in the attic at approximately 15 feet. Kawasha 13" color set.

Hello again. Mid August to mid September brought me (again!) more TV-DX than I expected, often from unexpected distances and directions. After ten years at this hobby, I'll admit to being a novice and an enthusiast who can learn from practically everybody. DX'ing TV is, at times, hard work, but it is worth it to me. I hope I never lose the sense of fun that comes with it.

So here's what I got. I've upped my "no relogs under" distance to 280 km (174 miles) to reflect the longer distances I've gotten this season; that will eliminate all Chicago and St. Louis relogs except KNLC-24.

August 1990

24 tr	2245	W33AR	33 IL	113	
	(Rockford		WCIU-26)		
	2309	*KNLCt*	*24 MO*		
25 tr	2234	WKEF	22 OH	333	
	2324	KBSI	23 MO	249	
	2344	*WTTKt*	*29 IN*		
	2348	*WSJVt*	*28 IN*		
26 tr	0006	*KNLCt*	*24 MO*		
	0025	WNDU	16 IN	221	
	0030	WSBT	22 IN	220	
	0106	WRGT	45 OH	333	
	0836	KPTM	42 NE	305	
	0901	KHIN	36 IA	255	
	0904	K33AA	33 IA	104	
	(Ottumwa		KIIN-12)		
	0910	KSPR	33 MO	292	
	0930	WKGB	53 KY	334	
27 tr	0548	WTTK	29 IN	235	
	0550	*WHMBt*	*40 IN*		
	0555	WXIN	59 IN	231	
27 tr	0635	WCET	48 OH	334	
	1858	*WFYIt*	*20 IN*		
	1900	WTHR	13 IN	231	
	1910	*WNDUt*	*16 IN*		
		WSBT	22 IN	220	
	1929	WDRB	41(IN)	300	
	1930	WCLJ	42 IN	247	
	1935	*WHMEt*	*46 IN*		
	1937	WIIB	63 IN	247	
28 tr	0534	WNDU	16 IN	221	
	0537	*WSBTt*	*22 IN*		
	0545	WHME	46 IN	223	
	0547	@WSJV	28 IN	222	
		(Audio - WXJ57)			
	0555	KMIZ	17 MO	190	
		(NOAA weather)			
29 tr	2219	WOI	5 IA	178	
30 tr	0549	WTTK	29 IN	235	
31 tr	0600	KPTM	42 NE	305	
	0603	KTIN	21 IA	245	

September 1990

2 tr	2152	WIIB	63 IN	247	
	2153	WXIN	59 IN	231	
	2201	WEIU	51 IL	155	
		(At last!)			
	2204	WCLJ	42 IN	247	
	2230	WTIU	30 IN	240	
	2250	*WTTKt*	*29 IN*		
	2339	WDRB	41(IN)	300	
	2340	WFIE	14(KY)	261	
	2345	WLKY	32(IN)	300	
3 tr	0037	KNLC	24 MO	179	
	0122	WEHT	25(KY)	261	
	0140	WHO	13 IA	178	
	0147	unid channel 65			
		(MDA Telethon -			
		Evansville, IN,			
		Morganfield,KY,			
		Owensboro, KY			
		phone numbers)			

Thanks to Jerry Beaudin; his photo reprinted in a past VUD helped me identify KSPR-33. Thanks also for an unexpected visit from Marvin Shults, who brought his huge album of station ID photos. And thanks to Jerry Lewis for putting his MDA Telethon on during a big siege of tropo. Last but not least, thanks to all the VUD editors for they work they put in. 73's to all.

(Chris, I wonder if your channel 65 with Evansville, etc. phone numbers might be W65CD Paducah, Kentucky. That is a construction permit for a channel change by the local channel 54 LPTV which had been RFD-TV. Perhaps they have gone on the air and are translating one of the Evansville television stations. fm)

Mike Cherry, Box 631, Ganges BC V0S-1E0 (604) 537-5201 PDT

Equipment: See September 1990 Western TV-DX

August 1990

28 tr	0922	KWCT	27 WA	185	
	(Strong)				

September 1990

1 Es	0830	KENW	3 NM	1467	
	0857	*KNMZt*	*2 NM*		
	0900	KOB	4 NM	1280	
4 tr	2023	K36BO	36 WA	70	
	(Deming		KOMO- 4)		
	(Snow free)				
6 tr	0800	+KCKA	15 WA	161	
	(Snow free)				
Es	1000	KSWK	3 KS	1350	
9 tr	2200+	OR 24, 32 strong			
10 tr	0300-1100	OR 24, 32			
		still in strong			
	1047	KTVZ	21 OR	346	
	2220	15,24,32 s/free			
	2226	KAPP	35 WA	213	
	2227	KVEW	42 WA	279	
12 tr	0848	KNDO	23 WA	213	
		(Loc. CHAN6 off)			
	0852	KNDU	25 WA	279	
	2357	KNMT	24 OR	234	
14 Es	0900	$KTVS	3 CO	1150	
16 ms	0515	unid ch 2 9 secs			
tr	2114	KIMA	29 WA	213	
17 tr	0750	@CBUT34	35 BC	65	
	0754	CHAN9	21 BC	98	
	1043	K54AC	54 WA	95	
	(Bremerton		KIRO- 7)		
		(Very rare!)			
19 ms	2206	unid ch3 14 secs			
20 tr	0537	WA 35,42, 25, 29			
		(Briefly)			
21 ms	0339	unid ch 2 5 secs			
		(3/4 color bars)			
24 tr	0619	@CBUT25	35 BC	87	
	0623	@CBUFT6	14 BC	76	
		(S/free-unusual)			

Locally, KBGE-33 Bellevue-Seattle is silent. It had been HSN.

Mike Cherry (continued) This years E skip season was better than last years. I'm still floored by my reception of KTBS-3 (1887 miles) and KIII-3 (2007 miles). I am eagerly waiting to see Doug Allen's next TV report. I think these signals may have been tropo to the Nebraska-Kansas-Colorado "uplink" for E skip at my QTH. Otherwise, these must be "cloud-to-cloud" or possibly ionospheric-ducting as Joop J. Prosee described in his excellent update on current propagation theories and research.

Temperature inversions on September 9, 10 and 17 brought fog and early-season tropo from various coastal locales, both north and south.

I've noticed high F2 MUF and 200+ solar flux one or two days in the last few weeks, but foreign TV frequencies (45+ MHz) don't seem affected yet. No aurora noted yet.

Finally, a couple of amateurs who are into VHF/UHF have moved to the island and I've met them recently and am putting the bug in their ears to try DX'ing TV & FM! We have been discussing the theoretical possibilities of moonbounce (EME) at the low end of the UHF TV dial using 7 foot parabolic reflectors and a phased 4 x 4 array. Has anyone in the club experimented with moonbounce at all? Is it theoretically possible (especially with varied time zones and having powerful enough transmitters on locally clear TV channels!)? These amateurs seem to think that frequencies in the low part of the UHF band are at the ideal wavelengths for EME.

Lastly...a note to John Combs; your change to my geographical coordinates was correct. Thanks. Until next report.... 73's, Mike

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Pat Dyer, 5315 Silvertip Drive, San Antonio TX 78228-2744 CST

Equipment:
1980 model 9" J.C. Penney b&w with Archer V-100 and 8-bay bow-tie UHF array at 20 feet with rotor.

July 1990

						11	Es	1300	KTWO	2	WY	1015	25	tr	2055	KADN	15	LA	380
1	tr	2340	KPLC	7	LA	335			1511	WJMN	3	MI	1310			2158	KLTL	18	LA	335
2	tr	0352	KTRE	9	TX	260				WISC	3	WI	1060			2215	KTFH	49	TX	205
		0413	KNOE	8	LA	425			1525	WBAY	2	WI	1180				KFDM	6	TX	275
	Es	2057	KOTA	3	SD	1040			1541	KGAN	2	IA	960			2249	KLFY	10	LA	370
3	tr	0054	KBMT	12	TX	280			2113	WWMT	3	MI	1160			2258	K33DB	33	TX	190
		0058	KLFY	10	LA	370			2126	WCIA	3	IL	930			(Houston				LPTV)
		0106	KPLC	7	LA	335			2209	KREG	3	CO	850			2302	WVLA	33	LA	435
		0109	KFDM	6	TX	275	12	Es	0957	WBTV	3	NC	1085			2348	KTRE	9	LA	260
4	Es	0959	KOTA	3	SD	1040			1059	KDLO	3	SD	1070	26	tr	0003	KFDM	6	TX	275
6	Es	0950	WJBF	6	GA	1020			1100	WSIL	3	IL	790			0019	KLFY	10	LA	370
7	Es	0829	WBTV	3	NC	1085			1101	WTWO	2	IN	925			0538	KLTS	24	LA	350
			WFMY	2	NC	1170			1129	KXMA	2	ND	1215				KLTL	18	LA	335
		0830	WRAL	5	NC	1235			1132	KOTA	3	SD	1040	27	Es	0959	WPBT	2	FL	1145
		0959	WSAZ	3	WV	1120	13	Es	1159	KUSD	2	SD	940			1025	WESH	2	FL	1035
			WDTN	2	OH	1075			2100	WSJK	2	TN	1005			1029	WEDU	3	FL	990
		1216	KDLO	3	SD	1070			2113	KDLH	3	MN	1245			1059	WSAV	3	GA	1035
		1228	WAVE	3	IN	950			2128	KDLO	3	SD	1070			1100	WRBL	3	GA	835
		1257	WSYX	6	OH	1140			2225	KOTA	3	SD	1040	28	Es	0818	WDTN	2	OH	1075
		1411	WLNS	6	MI	1205	14	Es	2100	KIDK	3	ID	1240	29	Es	1345	WBTV	3	NC	1085
8	Es	1029	WSIL	3	IL	790	18	Es	1630	WSJK	2	TN	1005			1349	WFMY	2	NC	1170
		1330	KMOH	6	AZ	1000			1755	WBTV	3	NC	1085			1527	WCTV	6	GA	875
		1558	KBME	3	ND	1190	19	Es	0559	WRCB	3	TN	865			1729	WEDU	3	FL	990
		1559	KUSD	2	SD	940			0859	WWAY	3	NC	1235	31	Es	1259	WSJK	2	TN	1005
9	tr	0058	KBMT	12	TX	280			1259	CKVR	3	ON	1455			1345	WBTV	3	NC	1085
	Es	1222	YSR 2	El Salvadr					1337	WSAZ	3	WV	1120			1444	WFMY	2	NC	1170
		1235	TGV 3	Guatemala					1744	KIMT	3	IA	1010			1608	WSAZ	3	WV	1120
		2259	KIDK	3	ID	1240			1859	KLNE	3	NE	755			1613	WKRN	2	TN	815
11	Es	1059	WCBD	2	SC	1135	22	tr	0420	KTRE	9	TX	260			1615	WAVE	3	KY	950
		1129	WBTV	3	NC	1085			0425	KLTV	7	TX	290			1629	WDTN	2	OH	1075
		1159	WSAZ	3	WV	1120		Es	1957	KGAN	2	IA	960			1701	KGAN	2	IA	960
		1259	KDLO	3	SD	1070	25	tr	2030	KPLC	7	LA	335			1725	KMTV	3	NE	830

This is getting to be "old" by now. There was 144 MHz E skip into Florida, Georgia, and even Mississippi on July 29th.

Some of this UHF tropo is being caught with the 13" 1987 RCA color set as the transplanted Penney '76 UHF tuner goes into some self-oscillation much above channel 50 as well as suffering from poor image rejection and spurs on the lower end.

Any "bargain" Teknika tuners left out there? 73, Pat, WA5IYX

William Eckberg, 1032 Sterling Road, Dixon IL 61021 CDT

Equipment:
1966 Zenith b&w tube receiver ch 14N22, modified Zenith 175-1962 detent tuner. Channel Master 1110 VHF antenna. Channel Master 7 foot UHF parabolic antenna with Winegard PA4975 preamplifier on a 40' tower.

August 1990

10 Es 1200	KKTO	2 NM	972		
14 tr 2200	W62BU	62 IL	42		
(Rockford		WWTO-35)			
24 tr 2300	W65BK	65 IN	183		
(Terre Haute			TBN)		
25 tr 0130	W28AI	28 IL	217		
(Salem			religious)		
0200	W34AY	34 IL	124		
(Champaign			TBN)		
0205	W47AZ	47 IN	214		
(Indianapolis			VJN)		
0230	K58DH	58 MO	213		
(St. Louis			VJN)		
2305	WOAC	67 OH	417		
2330	WPGH	53 PA	491		
26 tr 0005	WNEO	45 OH	426		
0008	WAEO	49 OH	404		
0105	WYMT	57 KY	449		
0250	WVAH	11 WV	463		
0350	WTAJ	10 PA	571		
26 tr 0400	WZTV	17 TN	408		
0440	WOIO	19 OH	401		
0442	CKCO	13 ON	461		
0455	CFPL	10 ON	419		
0500	CHCH	11 ON	488		
0505	CBLN	40 ON	419		
0530	WOWK	13 WV	428		
0550	WFMJ	21 OH	450		
0555	WNED	17 NY	537		
0558	WJET	24 PA	481		
0600	WAKC	23 OH	404		
27 tr 0040	WNEO	45 OH	426		
	WAEO	49 OH	404		
0043	WYMT	57 KY	449		
0110	WOIO	19 OH	401		
0208	WVAH	11 WV	463		
0420	WKPT	19 TN	508		
0445	WBRA	15 VA	583		
0447	WSBN	47 VA	483		
	WMSY	52 VA	533		
27 tr 2320	WPGH	53 PA	491		
2330	WOAC	67 OH	417		
28 tr 0045	WNEO	45 OH	426		
	WAEO	49 OH	404		
0100	WOIO	19 OH	401		
0105	WYMT	57 KY	449		
0300	K39AS	39 IA	181		
(Marshalltown			CHA)		
0358	WVAH	11 WV	463		

September 1990

6 tr 0440	KSAX	42 MN	404
12 tr 0430	KSAX	42 MN	404
19 tr 2400	W45AJ	45 IL	52
(Rockford			CHA)
21 tr 0040	WYMT	57 KY	449
27 tr 0420	W19BA	19 MI	209
(Grand Rapids			TBN)
29 tr 0510	K23CI	23 IA	158
(Ottumwa			KCCI- 8)

Had excellent tropo spanning August 24-28 to 600 miles. Plano, channel 30, is back on after testing one night in April. Also, a new channel 45 in Loves Park (Rockford fm). I received them six hours after sign on. There was an article concerning them in the local newspaper. Both are Channel America. Also logged many new close in translators and LPTV's. DX'ing is becoming very difficult in the UHF spectrum as it is becoming so cluttered here with translators and LPTV's.

CORRECTION: In the October 1990 Western TV-DX column, Mike Cherry's logging of KFOR on August 10 at 1959 should have been listed as 1615 miles, not 1670 miles. My mistake!

STATION BREAK

WTFDA
P.O. Box 514
Buffalo, NY 14205-0514

WTFDA member ads only. Items may be edited to conserve space.

FOR SALE - Car cassette/radio, M.E.I. model CX 143E. Digital tuning, auto reverse, two track (can be wired to balance or fade, but not both) cassette hardly used, works fine (traded in old car, kept radio) $25. Radio Shack rotor and outdoor antenna, plus 100' coax, lightning rod, connectors, etc. Been up less than year, rotor hardly used. Make offer.
Gus Mancuso - 5615 Inwood St. - Hyatts MD 20785 (301) 773-3072

WANTED TO BUY - I am looking for copies of the following editions of the World Radio-TV Handbook: 1974, 1975, 1977, and 1978. Replies should state condition and price.
WANTED TO TRADE - Audio Airchecks of Louisville KY radio (either AM or FM). Have several airchecks, etc for trade.
Bob Walker - 30900 Stone Ridge Drive #7314 - Wixom MI 48393

WTFDAers: YOUR ad can appear in the VUD free of charge!

SOUTHERN · FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

NOVEMBER 1990

DEADLINE: 14th

SOUTHERN FM DX IS FOR REPORTS FROM: AL, AR, AZ, CA, CO, DC, DE, FL, GA, HI, KS, KY, LA, MD, MO, MS, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV.

500+ MILE TROP PLUS ES FROM COLOMBIA AND CENTRAL AMERICA HIGHLIGHT THIS MONTH.

Doug Allen, W2CRS, P. O. Box 5646, Woodland Park, CO 80866

Equiptl: Pioneer TX 9800(IF modified)&stacked Stereo Probe 9s at 25'
(Stations under 400 miles not reported unless new or remarkable!)

9/1 tr
0700 KZKX 96.9 NE Seward, noisy 500
0701 kHNE 89.1 NE Hastings
0715 WOW 94.1 NE Omaha 504
0715 KEZO 92.3 NE Omaha 504
0726 kNCY 97.7 NE Nebraska City,o/u kUVR

9/11 ms & trs
0912 WDDJ 96.9 KY Paducah, ads, "97 FM"
0930 kNID 96.9 OK Enid

9/19 ms & tr
0400 WLSU 88.9 WI LaCrosse, ID, s/o, 15 sec. burst
0800-0900 western kS stations very strong

9/24 ms
0800 kWHK 94.5 LA Shreveport, "kWKH AM and FM Shreveport"

9/29 ms
0740 WDDJ 96.9 kY Paducah, ad

10/1 tr
0042 KYEZ 93.7 KS Salina 400
0043 KFKF 94.1 kS Kansas City,94 country 535
0044 KUDL 98.1 kS Kansas City, ad
0046 KJCK 94.5 kS Junction City, "Power 95"
0048 KMBR 99.7 MO Kansas City, ad 565
0051 KTRF?100.1 ? ID in noise
0055-0200 TV DXed
0210 KTPK 106.9 kS Topeka, wx 490
0235 KVGB 104.3 kS Great Bend, k, "Proud Country", kQKS was briefly selent, kS #55
0305 KTFX 103.3 OK Tulsa, "Fox 103", 550 briefly o/kJLS

My MO 99.3 CL turned out to be KCLR, not KLER as I speculated. Still wondering about 97.9 "k98 FM", and 105.9 "KICKS 106". Some strong openings into western kS, but everything over 300 miles was weak. MY VHF TV system is working well, but it's on a different tower and in a different room, so I can't DX FM and TV at the same time yet. 73.

Pat Dyer, WA5IYX, 5315 Silvertip Dr., San Antonio, TX, 78228-2744

7/4 Es
1000 KIZN 92.3 ID Boise
1006 kOPR 94.1 MT Butte
1016 KLZY 92.5 WY Powell
1050 KPKY 94.9 ID Pocatello
1051 kUUB 95.1 MT Bozeman
1058 KBXL 94.1 ID Caldwell
1108 KEYA 88.5 ND Belcourt

7/6 Es
0915 WHLZ 92.5 SC Manning
0919 WLWI 92.3 AL Montgomery
0923 WILN 105.9 FL Panama City
0925 WYBB 98.1 SC Folly Beach
0926 WNFI 99.9 FL Palatka
0928 ITOI 108.9 AL Troy
0930 WKZR 102.3 GA Milledgeville
0933 WXRS 103.9 GA Gainsboro
0936 WPEZ 107.9 GA Macon
0937 WCGQ 107.3 GA Columbus
0939 WYAI 104.1 GA La Grange
0941 WBBQ 104.3 GA Augusta
0943 WIJY 107.9 SC Hilton Head IS.
0945 WSYA 103.3 AL Montgomery
0949 WRXR 96.3 SC Aiken
0952 WXTC 96.9 SC Charleston
0957 WFXA 103.1 GA Augusta
1007 WSTH 106.1 AL Alexander City
1018 WTSH 107.1 GA Rockmart
1019 WKNU 106.3 AL Brewton
1031 WPAP 92.5 FL Panama City
1033 WTNT 94.9 FL Tallahassee
1035 WBGM 98.9 FL Tallahassee
1038 WWKA 92.3 FL Orlando
1040 WMEZ 94.1 FL Pensacola
1054 WBIL 95.9 AL Tuskegee
1059 WFCH 88.5 SC Charleston
2002 WVPN 88.5 WV Charleston

7/7 Es
0805 WKRR 92.3 NC Asheboro
0814 WPEG 97.9 NC Concord
0829 WFDD 88.5 NC Winston-Salem
0839 WMTM 93.9 GA Moultrie
0851 WKUB 104.9 GA Blackshear
0854 WHFX 103.3 GA Waycross
0855 WHHR 106.1 SC Hilton Head IS.
0856 WIJY 107.9 SC Hilton Head Is.
0858 WSSX 95.1 SC Charleston
0902 WZLI 106.1 GA Toccoa
0906 WJCL 96.5 GA Savannah
0910 WKXH 95.9 GA Alma
0912 WQZY 95.9 GA Dublin
0915 ITOI 108.9 AL Troy
0919 WXTC 96.9 SC Charleston
0925 WFXE 104.9 GA Columbus
0926 WYAK 103.1 SC Surfside Beach
0929 WESC 92.5 SC Greenville
0931 WIVK 107.7 TN Knoxville
0933 WNDA 95.1 AL Huntsville
0934 WKQB 93.3 TN Tullahoma
0940 WXLK 92.3 VA Roanoke
WTFM 98.5 TN Kingsport
0953 WJIE 88.5 KY Okolona
1003 WTLG 88.3 FL Starke
1011 WVOH 93.5 GA Hazlehurst
1014 WXGT 92.3 OH Columbus
1024 WDJK 95.3 OH Xenia
1025 WRRM 98.5 OH Cincinnati
1027 WHLZ 92.5 SC Manning
1030 WINN 106.1 IN North Vernon
1044 WCDV 103.1 IN Covington
1046 WLBH 96.9 NC Goldsboro
1049 WKKX 104.1 IL Jerseyville
1050 WNSN 101.5 IN South Bend

cont....

7/7 Es

1051 WIL 92.3 MO St. Louis
1056 WDZQ 95.1 IL Decatur
1058 WVVX 103.1 IL Highland Park
1100 WYCA 92.3 IN Hammond
1105 WKXK 97.9 GA Fort Valley
1106 WLWI 92.3 AL Montgomery
1112 WZNY 105.7 GA Augusta
WXRT 93.1 IL Chicago
1105 WKXK 97.9 GA Fort Valley
1106 WLWI 92.3 AL Montgomery
1112 WZNY 105.7 GA Augusta
1119 WBWI 92.5 WI West Bend
1122 WAPL 105.7 WI Appleton
1123 WJZQ 95.1 WI Kenosha
1124 WAAG 94.9 IL Galesburg
1127 WIZM 93.3 WI La Crosse
1128 WTFX 94.1 WI Watertown
1129 KOEL 92.3 IA Oelwien
1130 WXXQ 98.5 IL Freeport
1131 WWIB 103.7 WI Ladysmith
1132 KLSS 106.1 IA Mason City
1135 WMT 96.5 IA Cedar Rapids
1136 WPPL 103.9 GA Blue Ridge
1137 WIAL 94.1 WI Eau Claire
1138 WSPT 97.9 WI Stevens Point
1140 WTQR 104.1 NC Winston-Salem
1146 KEEZ 99.1 MN Mankato
1149 WXIL 95.1 WV Parkersburg
1152 KMXK 94.9 MN Litchfield
1153 WPAY 104.1 OH Portsmouth
1157 WFTM 95.9 KY Maysville
1200 WHBC 94.1 OH Canton
1200 WBVE 96.5 OH Hamilton
1203 WAKW 93.3 OH Cincinnati
1210 WKDD 96.5 ND Bismarck
1221 CKMR 93.9 ON Windsor
1222 KQAA 94.9 SD Aberdeen
1223 KBYZ 96.5 ND Bismarck
1225 KQKY 105.9 NE Kearney
1230 WBTU 93.3 IN Kendallville
1234 WNWN 98.5 MI Coldwater
1235 WIBM 94.1 MI Jackson
1237 WLKM 95.9 MI Three Rivers
1241 WQLR 106.5 MI Kalamazoo
1243 WOOD 105.7 MI Grand Rapids
1250 WJTW 93.5 IL Joliet
1252 WLHT 95.7 MI Grand Rapids
1253 WMIL 106.1 WI Waukesha
1255 WKHQ 105.9 MI Charlevois
1259 WKHY 93.5 IN Lafayette
1305 WVPE 88.1 IN Elkhart
1306 KMGO 98.7 IA Centerville
1309 KKMK 93.9 SD Rapid City
1310 WVIC 94.9 MI East Lansing
1312 KSDN 94.1 SD Aberdeen
1313 WSMI 106.1 IL Litchfield
1315 WKFR 103.3 MI Battle Criid
1322 WLAV 96.9 MI Grand Rapids
1324 WBUS 99.9 IL Kankakee
1325 WDEK 92.5 IL De Kalb
1326 WCBR 92.7 IL Arlington Hts.
1327 WQXK 105.1 OH Salem
1338 KSQY 95.1 SD Deadwood
1339 WQAL 104.1 OH Toledo
1341 WQLX 102.3 OH Galion
1342 WCRF 103.3 OH Cleveland
1350 WQLH 98.5 WI Green Bay
1353 WTTS 92.3 IN Bloomington
1354 WVKS 92.5 OH Toledo
1357 WTPI 107.9 IN Indianapolis
1359 WCJC 99.3 IN Van Buren

7/7 Es

1430 WUPS 98.5 MI Houghton Lake
1446 WTBX 93.9 MN Hibbing

7/8 Es

1336 WKRR 92.3 NC Asheboro
1337 WZZU 93.9 NC Burlington
1339 WYST 92.3 MD Baltimore
1358 WKYS 93.9 DC Wahsington
1418 KKFR 92.3 AZ Glendale
1419 KOY 95.5 AZ Phoenix
1421 KKLT 98.7 AZ Phoenix
1457 WVPN 88.5 WV Charleston
1529 KESD 99.3 SD Brookings

7/9 tr

1222 XHSRO 92.5 NL Monterrey

Es

1251 TGRT 88.8 Gua Guatemala City
1253 TG---88.5 Gua
YSR- 89.0 ElS San Salvador
1300 TGFP- 88.1 Gua Guatemala City
1315 TG---98.6 Gua Guatemala City
2009 WAIR 92.5 MI Atlanta
2029 WJZQ 95.1 WI Kenosha
2033 KOEL 92.3 IA Oelwien
2038 KRPN 107.9 UT Roy
2039 KEZJ 95.7 ID Twin Falls
2041 KFTZ 103.1 ID Idaho Falls
2048 KLCY 94.1 UT Salt Lake City
2049 KROK 93.5 CO Leadville
2051 KLZY 92.5 WY Powell
2055 KJYE 92.3 CO Grand Junction
2058 KLZX 93.3 UT Salt Lake City
2059 KHZT 94.9 UT Provo
2100 KZJH 95.7 WY Jackson
2109 KBPI 105.9 CO Denver
2112 KTAG 97.9 WY Cody
2127 KLWD 96.5 WY Sheridan
2133 KMTS 2.7 CO Glenwood Springs
2138 KAML 96.9 WY Gillette
2143 KZBQ 93.7 ID Pocatello
2149 KYCS 95.1 WY Rock Springs

tr

2201 KLKM 104.9 TX Llano

7/11 Es

1126 WXLK 92.3 VA Roanoke
1135 WMJD 97.7 VA Grundy
1148 WVPN 88.5 WV Charleston
1153 KEYA 88.5 ND Belcourt
1226 KLCY 94.1 UT Salt Lake City
1228 KZHT 94.9 UT Provo
1246 KKDL 95.1 CO Delta
1250 KKRC 93.5 SD Sioux Falls
1253 KTAK 93.9 WY Riveton
1314 CIMX 88.7 ON Windsor
1318 WBTU 93.3 IN kendallville
1456 WGVU 88.5 MI Allendale
1529 WIAA 88.7 MI Interlochen
1600 WOZZ 93.5 WI New London
1616 WJPD 92.3 MI Ishpeming
1628 WOLX 94.9 WI Baraboo
1632 WHWL 95.7 MI Marquette
2108 CKMR 93.9 ON Windsor

7/12 tr

1134 KNFM 92.3 TX Midland

Es

1211 KKMK 93.9 SD Rapid City
1220 KMCM 92.5 MT Miles City
1340 KQDY 94.5 ND Bismarck
1342 KBYZ 96.5 ND Bismarck
1342 KGFX 92.7 SD Pierre
1444 KDZN 96.5 MT Glendive, cont...

7/12 Es
1452 KSQY 95.1 SD Deadwood
1459 KCGM 95.7 MT Scobey
1500 KGCH 93.1 MT Sidney
1508 KLAN 93.5 MT Glasgow
1528 KYZZ 92.7 MT Wolf Point
7/13 Es
0756 TG-- 88.5 Gua
2049 WZTR 95.7 WI Milwaukee
2050 WLUP 97.9 IL Chicago
2052 WTFX 94.1 WI Watertown
2141 KKWQ 92.5 MN Warroad
2143 KQWB 98.7 MN Moorhead
2207 CBWV 97.9 MB Brandon
2216 KEYA 88.5 ND Belcourt
2232 KMCM 92.5 MT Miles City
7/18 Es
1640 WIKQ 94.9 TN Greenville
1644 WBGN 93.5 AL Evergreen
1646 WBGM 98.9 FL Tallahassee
1552 WKQL 96.9 FL Jacksonville
1655 WOCL 105.9 FL De Land
1657 WSSP 104.1 FL Cocoa Beach
1659 WMTM 93.9 GA Moultrie
1700 WHFX 103.3 GA Waycross
1708 WZLI 106.1 GA Toccoa
1712 WZZG 95.1 NC Charlotte
1713 WSPA 98.9 SC Spartanburg
1730 WBSC 92.5 SC Greenville
1734 WSOC 103.7 NC Charlotte
1736 WKSI 98.7 NC Greensvoro
1737 WBT 107.9 NC Charlotte
1738 WKRR 92.3 NC Asheboro
1741 WWUF 97.7 GA Waycross
1743 WQPW 95.7 GA Valdosta
1759 WLPT 88.3 GA Jesup
7/19 Es
0759 WMCU 89.7 FL Miami
0820 WUAW 88.3 NC Erwin
WNHW 92.3 NC Nags Head
0824 WXLK 92.3 VA Roanoke
0900 WMQX 93.1 NC Winston-Salem
0906 WAMU 88.5 DC Washington
0920 WKKG 101.5 IN Columbus
0922 WKSI 98.7 NC Greensboro
0925 WSIP 98.9 KY Paintsville
0927 WXIL 95.1 WV Parkersburg
0934 WTCR 103.3 WV Huntington
0937 WOMC 104.3 MI Detroit
0939 WXCC 96.5 WV Will amson
0948 WVIC 94.9 MI East Lansing
0951 WWNK 94.1 OH Cincinnati
0952 WKDD 96.5 OH Akron
0954 WNCI 97.9 OH Columbus
0955 WFMT 98.7 IL Chicago
0956 WBBY 103.9 OH Westerville
0957 WRKA 103.1 KY St. Matthews
1004 WRRR 93.9 WV St. Marys
1008 WIKB 99.1 MI Iron River
1028 WOLX 94.9 WI Baraboo
1029 WCLR 95.7 OH Piqua
1030 WLBC 104.1 IN Muncie
1032 WKHQ 105.9 MI Charlevoix
1035 WVKS 92.5 OH Toledo
1039 WMJC 103.8 IN Indianapolis
1040 WJZZ 105.9 MI Detroit
1044 WLST 95.1 WI Marinette
1049 WQLR 106.5 MI Kalamazoo
1051 WCRZ 107.9 MI Flint
1052 WAIR 92.5 MI Atlanta
1054 WIBM 94.1 MI Jackson

Dyer, cont.
7/19 Es
1059 WLQR 101.5 OH Toledo
WXFM 99.3 IL Mt. Zion
1102 WLTO 103.9 MI Harbor Springs
1105 WOMA 96.5 WI Algoma
1115 WMIL 106.1 WI Waukesha
1117 WMGV 103.9 WI Oshkosh
1123 WJPD 92.3 MI Ishpeming
1129 WJZQ 95.1 WI Kenosha
1135 KMXK 94.9 MN Litchfield
1136 WKLH 96.5 WI Milwaukee
1137 WTBX 93.9 MN Hibbing
1138 WLHT 95.7 MI Grand Rapids
1154 KESD 88.3 SD Brookings
1200 KKWQ 92.5 MN Warroad
1204 WKLX 98.9 NY Rochester
1209 KKMK 92.9 SD Rapid City
1214 KMCM 92.5 MT Miles City
1222 CJBX 92.7 ON London
1237 KSQY 95.1 SD Deadwood
1238 KDZN 9.65 MT Glendive
1252 WMXK 2.3 MI Detroit
1253 CIMX 88.7 ON Windsor
1759 KOEL 92.3 IA Oelwein
1802 KTUF 93.5 MO Kirksville
1803 KCCK 88.3 IA Cedar Rapids
7/25 tr
0821 XHJD 98.9 NL Monterrey
0847 X--- 93.5 TAM Matamoros
2059 WCKW 92.3 LA Laplace
2225 KIOC 106.1 TX Orange
2228 WYNK 101.5 LA Baton Rouge
2241 KYKS 105.1 TX Lufkin
2259 KTXB 89.7 TX Beaumont
2335 KHUN 101.7 TX Huntsville
2353 KNUE 101.5 TX Tyler
7/26 tr
0005 KTQR 100.9 LA Sulphur
0021 KYKR 93.3 TX Port Arthur
0534 KEEP 92.3 TX Marshall
0535 KUEZ 99.3 TX Lufkin
0727 KTUX 98.9 TX Carthage
0731 KXAL 103.1 TX Pittsburg
7/27 Es
0959 WKPX 88.5 FL Sunrise
WCMQ 92.3 FL Hialeah
1004 WRMF 97.9 FL Palm Beach
1007 WJIS 88.1 FL Bradenton
1013 WYUU 92.5 FL Safety Harbor
1015 WGYL 93.5 FL Vero Beach
1021 WFIT 89.5 FL Melbourne
tr
1052 KYKR 93.3 TX Port Arthur
7/28 Es
0836 WXGT 92.3 OH Columbus
ms
0859 WKYN 89.7 TN Chattanooga
7/29 Es
1229 WJFR 88.7 FL Jacksonville
1403 WMEV 93.9 VA Marion
1414 WRAS 88.5 GA Atlanta
1436 WZAZ 92.7 FL Green Cove Springs
1441 WHJX 101.5 GA Brunswick
1448 WAIA 93.3 GA St. Marys
14449 WKQL 96.9 FL Jacksonville
1458 WMTM 93.9 GA Moultrie
1500 WOKF 92.5 GA Folkston
1512 WRJM 93.5 AL Geneva
1515 WQIK 99.1 FL Jacksonville
1519 WNFI 99.9 FL Palatka
cont...

7/29 Es

1524 WFSY 98.5 FL Panama City
1528 WQPW 95.7 GA Valdosta
1530 WTUF 106.3 GA Boston
1538 WGCO 98.3 GA Jesup
1540 WBBK 93.1 GA Blakely
1541 WTNT 94.9 FL Tallahassee
1546 GEF 109.0 FL Greenville
1648 WWKA 92.3 FL Daytona Beach
1551 WZLS 96.7 GA Baldosta
1554 WOCL 105.9 FL De Land
1557 WQWW 107.3 FL Pensacola
1559 WPFM 107.9 FL Panama City
1602 WJYF 95.3 GA Nashville
1606 WMMZ 93.7 FL Ocala
1618 WIOI 100.7 GA Brunswick
1659 WSSP 104.1 FL Cocoa Beach
WTRS 102.3 FL Dunnelion
1712 WUSF 89.7 FL Tampa
1715 WYUU 92.5 FL Safety Harbor

7/29 Es

1724 WNLT 95.7 FL Clearwater
1736 WBGF 93.5 FL Belle Glade
1737 WLVE 93.9 FL Miami Beach
1742 WRMF 97.9 FL Palm Beach
1743 WCMQ 92.3 FL Hialeah
1745 WMCU 89.7 FL Miami
1747 WZTA 94.9 FL Miami Beach
1754 WXDJ 95.7 FL Homestead
1757 WLRN 91.3 FL Miami
1808 WEOW 92.5 FL Key West

7/30 Es

1630 TG-- 88.5 Gua
1653 TGRT 88.8 Gua Guatemala City
1654 TGFP 88.1 Gua Guatemala Cit
1708 TG-- 91.9 Gua

7/31 Es

1437 WVPN 88.5 WV Charleston
1527 WKEZ 94.1 VA Yorktown
1542 WPVR 94.9 VA Roanoke
1552 WAMU 88.5 DC Washington

Equipt.: TM-1001 tuner with two 150-kHz IF filters in use, Archer 6-e FM antenna at 20' with rotor. July 29 MUF hit 144 MHz with skip there as short as Mississippi.

Gus Mancuso, 5615 Inwood St., Hyatts, MD 20985

Bandscan from Emporia, VA 9/19 to 9/21: Longest catch--WWSN 107.7 OH Dayton. Total 158. (2nd best scan ever) Did not make the anticipated trip to South Hill, VA due to illness. Also scanned from New Bern, NC. Got 112 Stations(too many 100kw local + semi locals). Stayed 2 nights in each spot. Went to convention AM not a dirty word. Ohio from Emporia was fluky. All others were from DC to SC. Got GA, also from New Bern. South Hill looking better & better--WVRS 107.3, WLCQ 98.3, WVST 91.3 off air. WPGT 90.1 signs off 7 pm and WSHV 105.5 at 11 pm leaves only 12 stations within 50 miles. Several other educats 50-75 mi. away not on air.

Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075

10/5 tr

0942 Houston, TX in 460
0943 KVNE 89.5 TX Tyler 290
0944 KDXE 95.9 TX Sulphur Springs
0948 KJZY 99.1 TX Denton 205
1000 KWRW 97.7 TX Rusk
1010 KDAQ 89.9 LA Shreveport 320
1014 KBHT 93.5 TX Crockett, ads

10/5 tr

1016 WCKW 92.3 LA Laplace, classic r 570
1020 KKBQ 92.9 TX Pasadena, ad
1030 KIVY 92.7 TX Crockett
1034 KKBI 106.3 OK Broken Bow
1043 KITX 95.5 OK Hugo,calls,"Red River country", ex 95.3
1049 KISX 107.3 TX Whitehouse,Kiss 107"
1054 KZMZ 96.9 LA Alexandria, "Power 96.9"430

Christopher S. Dunne, Box 533, 21500 Johnson St., Pembroke Pines, FL 33029

Equipment: GE Superadio II mod. w/ 150 filters, Radio Shack 6-element FM antenna, Soundesign stereo

D F E T
X I S A

It was a veritable party on the morning of Sep 27 with a strong E opening to Central and South America. Not knowing enough Spanish, I employed help on some stations for ID, although a couple were easy to ID. I also relied on some old and new FM lists. All stations were logged 9/27/90 between 0800 & 1230 (yes, 4½ hours!), all Es & SS language except the last one (Tr). Enough gab - let's get to it! Muchas gracias to: the Lord for Es/Tr; Jeff White (non-member) for some of the IDs; and also mucho thanx to Mike Dorner and all the collaborators of the WTFDA book ONDAS FM for some callsigns; + thanx to the broadcasting organizations who provided me with station lists.

Call	Freq.	Location, details	Miles
cu	88.1	GT Guatemala City, b (ee), R. Fabues-tereo? (OF)	1050
TGRTt	88.8	GT Guat. City, n, female voice (OF)	1050
HJCF	89.1	CL Barranquilla, Cari-be Estereo/CARACOL	1100
HJ.W	90.5	CL Cartagena, mention of Cartagena, 860w	1100
HOH87?	90.9	PN (possibly) Chitre, RPC Radio (JW, OF)	1120
unid	91.5	CR?"Musica Fundación" (JW)	
cu	91.7	PN Panama City? "La Voz" (JW)	1120
HJOJ	92.1	CL Barranquilla, Olimpica Estereo	1100
TIHB	94.3	CR San Jose, Radio Relój (JW, OF)(ee)	1100

CONT....

Call	Freq.	Location, details	Miles
HRLP	94.7	HO Tegucigalpa (100w) or Olanchito (1000 w), R. América	916
cu	95.9	GT Guat. City, R. Ranchera	1050
unid	96.1	ES?ment. El Salvador	
unid	96.3	CL?ment. Cali, no Cali @ 96.3	
HRUP4t	96.7	HO?San Pedro Sula, ment."San Pedro",	
unid	96.9	GT?	
unid	98.5	PN?ment. "Cadena Costatlán", "Panameña"	
unid	102.1	MX?R. Diversidad, ment. "Leon" & maybe Matamoros - XHQI??	
WMMO	98.9	FL Orlando, rm - new	189

Most mileages are rough guesstimates. ABBREVIATIONS: (ee) = DX en estereo. OF=ONDAS. (JW) = //Jeff White or IDed by him. R. = Radio. GT = Guatemala. CL = Colombia. CR = Costa Rica. PN = Panama. HO = Honduras. ES = El Salvador. MX = Mexico. cu = call unknown.

This is DX I'd been waiting for for a long, long time. As they say in these countries, adios amigos! Setenta y tres

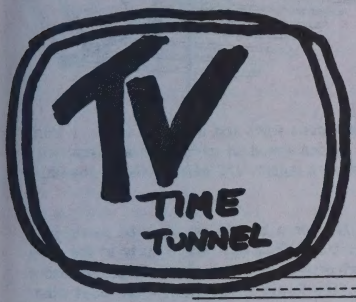
Matt Sittel, PO Box 21421, Raleigh, NC 27607

Equipment: Yamaha TX-900U modified tuner, rabbit ears, Radio Shack FM amplifier

9/1 tr
0750 WTCB 106.7 SC Orangeburg,"B 106" 201
0751 WJFK 106.7 VA Manassas,calls 217
0753 WRQX 107.3 DC Washington,"Mix107.3"236
0759 WFSI 107.9 MD Annapolis,calls,g 253
0801 WZCL 105.3 VA Norfolk,"The Eagle",k156
0804 WYAK 103.1 SC Surfside Beach,"Y103"156
0805 WMNA 106.3 VA Gretna,calls 87
0807 WRXL 102.1 VA Richmond,"XL 102" 142
0821 WFLS 93.3 VA Fredericksburg,calls 187
0824 WHUR 96.3 DC Washington-FM #200- 236
0826 WCDX 92.7 VA Mechanicsville 150
0827 WHLZ 92.5 SC Manning,over WYFL 168
0829 WGTS 91.9 MD Takoma Park,g 240
0847 WDJY 100.3 DC Washington 236
0856 WNAA 90.1 NC Greensboro,"The One" 65
0901 WETA 90.9 DC Washington,ID 236
0905 WGMS 103.5 DC Washington,over WRCQ 236
0938 WCXR 105.9 VA Woodbridge,calls 213
0947 WASH 97.1 DC Washington,calls 236
0950 WWIN 95.9 MD Glen Burnie,calls 260
-thanks to Greg Coniglio for ID'ing!-
0954 WZZG 95.1 NC Charlotte,over WRNS 127
9/5 tr
0826 WDBA 107.3 PA Du Bois,local ad 368
0829 WTUA 105.9 SC St.Stephen,"Power106"179
0852 WCXR 105.9 VA Woodbridge,calls 213
9/6 tr
0753 WJYO 107.7 FL Mt.Dora,"Magic107.7" 513
0809 WBCG 98.3 NC Murfreesboro,ad 101
0821 WTUA 105.9 SC St.Stephen,calls?,s 179
0825 WHTK 99.7 SC Port Royal,calls 259
9/10 tr
0815 WMIT 106.9 NC Black Mountain,calls 204
0818 WTUA 105.9 SC St.Stephen,"Power106"179
0821 WYAK 103.1 SC Surfside Beach 156
9/10 tr
0829 WSVH 91.1 GA Savannah,"FM 91" 298
0830 WHTK 99.7 SC Port Royal,calls 259
9/11 tr
0837 WFLO 95.7 VA Farmville,over WKML 106
0839 WVOD 99.1 NC Manteo,"VOD" 171
0846 WXLK 92.3 VA Roanoke,"K 92" 124
0858 WCDX 92.7 VA Mechanicsville 150
0859 WBBC 93.5 VA Blackstone,k,ID 99
9/12 tr
0759 WESM 91.3 MD Princess Anne,ID 238
0759 WRJA 88.1 SC Sumter,WKNC empty 155
0807 WHTK 99.7 SC Port Royal,calls 259
9/19 tr
0826 WWDM 101.3 SC Sumter,"The Big DM" 155
0831 WSPA 98.9 SC Spartanburg 192
0836 WGH 97.3 VA Newport News,k 153
9/20 tr
0823 WSHV 105.5 VA South Hill 74
9/25 tr
0831 WFOG 92.9 VA Suffolk,calls 136
9/26 tr
0824 WTUA 105.9 SC St.Stephen,local ad 179
9/28 tr
0832 WHRO 90.3 VA Norfolk,new freq. 156
0835 WJYJ 90.5 VA Fredericksburg 187
9/29 tr
0840 WPTM 102.3 NC Roanoke Rapids,calls 76
0902 WFLS 93.3 VA Fredericksburg 187
0911 WCXR 105.9 VA Woodbridge,calls 213
0918 WJQI 94.9 VA Virginia Beach 169

FM DX in September started out on a very high note with a fantastic opening into the DC metro area. Most of the DC stations were in stereo, with WETA reading higher on the signal meter than most of my locals!!! Then came the strange loggings on the 5th and 6th. They were in all by themselves!! PA and FL and essentially nothing else in!? Conditions worsened and the rest of the month was poor, with some improvements noted during the last couple of days of the month, although most of the distant tropo being confined to UHF TV. Hopefully October will be a great month for classic fall trops for all of us! 73s Matt.

Writer's comments: In the annals of tv license grants, this may be one of the strangest ever. After almost a year of research there are still unanswered questions, and this article contains conjecture as to probable answers. In the event that any VUD reader can correct possible inaccuracies; please write me at the above address. It is the intent of this column to present historical fact; however in this case that was not always possible. Many thanks to VUD member Fred McCormack for his research assistance. Thanks also to retired WDAY-tv General Manager Sumner Rasmusen, current WDAY-tv President Bill Marcil, KTHI-tv Chief Engineer Roger Johnson, and retired KXJB-tv Chief Engineer Lloyd Ericson.



Submitted by Tom Bryant
849 Todd Preis Dr.
Nashville, TN 37221

FARGO'S CHANNEL 11 --- (the mysterious origin)

THE SEEDS ARE PLANTED: The bizarre beginnings of Channel 11 in Fargo, ND rank with the conception of 'Rosemary's Baby' or the creation of the Frankenstein monster! The pieces of the puzzle are complex, as are the twists and turns of the story as it unfolds.

BUILDING BLOCKS: It is necessary to establish that top-level executives of both WDAY-tv (6) and KXJB-tv (4) were involved in the formation of the new station. WDAY-tv became the first station in the Red River Valley on June 1, 1953. Controlling interest of the channel 6 operation was in the hands of E.C. Reinecke; and operations and other ownership were intertwined with WDAY radio and the city's only daily newspaper "The Fargo Forum". Just over a year later, KXJB-tv [4] (licensed to Valley City but covering Fargo) went on the air under the guidance of John Boler, President of the North Dakota Broadcasting Company.

MORE CORPORATE HISTORY: NDBC was a shareholder group which also owned and operated KCJB-tv (13) in Minot plus AM radio stations in Minot and Jamestown, ND. The company also had [or was obtaining] construction permits for new tv stations in Bismarck, ND and Aberdeen, SD. Although John Boler held controlling interest in NDBC, the regional network also embraced independently owned KDIX-tv (2) in Dickinson, ND; and saw the spinoff of the Minot and Bismarck tv stations to Boler colleagues.

APPLICATIONS

Fargo, N. D.—Marvin Kratter tr/as Fargo Telecasting Co., vhf ch. 11 (198-204 mc); ERP 1.6 kw vis., 0.82 kw aur.; ant. height above average terrain 241 ft., above ground 250 ft. Estimated construction cost $57,333, first year operating cost $113,580, revenue $130,000. P. O. address 521 Fifth Ave., New York 17, N. Y. Studio location to be determined. Trans. location 12th St., 2½ mi. W. of city limits. Geographic coordinates 46° 53' 35" N. Lat., 96° 51' 0" W. Long. Trans. Gates, ant. Prodelin. Legal counsel Bernard Koteen, Washington, D. C. Consulting engineer Dawkins Espy, Los Angeles. Mr. Kratter is N. Y. real estate investor and office building syndicate operator. Announced Jan. 8.

BROADCASTING 01/14/57

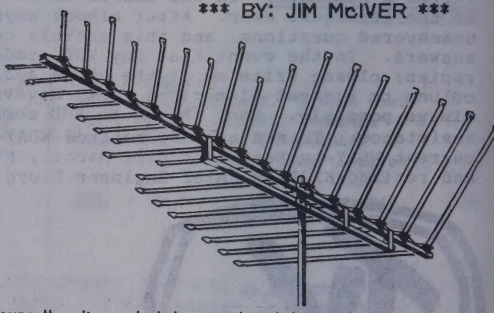
APPLICATION

Fargo, N. D.—North Dakota Bcstg. Co., vhf ch. 11 (198-204 mc); ERP 29.05 kw vis., 14.55 kw aur.; ant. height above average terrain 392 ft., above ground 416 ft. Estimated construction cost $53,450, first year operating cost $96,000, revenue $120,000. P. O. address 4000 W. Main St., Fargo. Studio location Fargo. Trans. location Clay County, Minn. Geographic coordinates 46° 45' 25" N. Lat., 96° 35' 37" W. Long. Trans. Dumont, ant. RCA. Legal counsel D. F. Prince, Washington, D. C. Consulting engineer Lloyd R. Amoo, Valley City, N. D. North Dakota is licensee of KCJB-AM-TV Minot, KXJB-TV Valley City, KBMB-TV Bismarck and KSJB Jamestown, all N. D. Principal stockholders are John Boler and E. C. Reineke and wife.

BROADCASTING 07/01/57

[CONTINUES NEXT MONTH...Lots of digging uncovers little pay dirt!]

PRODUCT REVIEW
*** BY: JIM McIVER ***



There are a lot of experimenters who scoff at Radio Shack's antenna products. "Archer" brand name has never rated high among electronic enthusiasts...and usually for good reasons. As an installer I can tell you their stuff generally is not as well-built as the major antenna brands (their UHF antenna line contains some excellent exceptions to this rule--their CR yagis are used with good results here in northern New York). What you notice right away about their VHF and "combo" models is they generally use thinner aluminum stock and cheaper plastic insulators. But with Radio Shack antenna products, certain things should be kept in mind. For instance, they are marketed by the world's largest multi-national electronics chain store, and aimed at the "do-it-yourself" crowd--most other antenna brands are built to please professional antenna installers, your professionals who also sell them because they know what does work and does not work. I think Radio Shack antennas often are designed with shipping considerations placed ahead of performance specs, with the main objective of getting them into and out of their hundreds of stores as quickly and efficiently as possible, while maintaining profitability.

But there are some Archer antennas that might be considered by TV DXers on a budget who may be away from their home systems, either as "dorm DXers" or on vacation or on a DX-pedition. They may not be quite in the same league with your Channel Master, your Winegard or your General Instrument, but they tend to be far more "transportable" and much, much cheaper. Then there's the one big advantage Radio Shack enjoys over most other sources of antenna equipment and accessories: they are as close as your local Shopping Mall. Archer model 1654 "V-185"--their best VHF-only model--normally sells for about $60, roughly around half of what the best VHF-only antennas (for example, Channel Master's high end Crossfire or Winegard's biggest Chromestar) go for at wholesale. The V-185 is often down to around $50 when they have one of their seasonal promotional sales. At one of their "as-is, where-is" sales they might be even a few bucks less if you shop carefully.

A (non-DXer) friend installed one of these VHF-only models as a "back-up" (together with a coaxial A/B switch) for his cable-TV service, which seems to go down for a day every time it rains. (Want something more reliable than cable? The answer is TVRO.). He at least wanted to be able to watch his local (ch 7) and semi-locals (mostly Canadians from Kingston, Ont., and we can get some Syracuse NY) when he loses the cable feed. Poor devil even bought a Radio Shack rotor and aluminum mast sections, neither of which I could ever recommend. He had wanted to buy one of what we call their "All-channel Football Season specials," the promotional piece of junk that RS hauls out every year (it looks like it could be out-performed by four plastic coat hangers in series). I'm glad he bought the V-185. Much to my own surprise, the antenna does a pretty fair job on the channel 2 - 13 range.

Nothing new or different about the basic design of this antenna. It's a pretty simple antenna concept, based on a variation of the log-periodic (LPDA) principle. The V-185 log antenna design is a driven-element array consisting of seventeen sets of dipole elements (usually, the more elements, the more gain--if proper boom length is observed) fed in parallel using "criss-cross" (transposed) feed line. Each set of dipoles is designed to be electrically resonant to the wavelengths of a portion of the 54 to 108 and 174 to 216 MHz ranges; in other words, TV channels 2 - 6 and the FM broadcast range, and TV channels 7 - 13. This antenna is entirely composed of driven elements--no directors or reflectors as would be found on the best high-performance wide band VHF antennas. The variation is the multi-mode "vee" design, which was first widely used by several manufacturers in the late 60's. Most larger manufacturers of the time, such as Jerrold, RMS, JFD, Antenna Craft, eventually even Channel Master, offered multimoded vee logs--this design had the flat frequency response required for reliable color subcarrier reception, pretty important in the new color TVs in that era.

I had a chance to get a quick look at this antenna in operation here. As expected, the forward gain, nulls, and front-to-back performance were nowhere near the equal of, say, a Channel Master. Also this antenna is about 13-and-a half-foot long, which is a tad on the short side for what the optimum for this design should be. But the antenna did a surprisingly good job, especially on high band (ch 7 - 13) range. While the nulls were poor to practically non-existent and front-to-back performance is very bad (true of all veed LPDA types) forward gain on high band was decent, all things being considered. A "conservative guesstimate" -- this antenna averages close to 7.5 dB over a dipole on highband. Not the best for weak-signal performance--but it beats rabbit ears or ribbon line dipoles by a wide margin, and is easily better than many smaller log-yagis and combo antennas of the same or smaller size. The lowband performance is nothing special though. Average gain in the 54 - 108 MHz range, again a guesstimate, would appear to be around 4.5 dB, and there seemed to be a definite "roll-off" at ch 2. I did not have a chance to check out this antenna's response on the FM band--but any small FM log yagi (including Archer's own 15-1636) would outperform this wideband design.

In summary, major advantage of the V-185 is it's transportability. It is fairly cheap for the moderate gain and wideband coverage involved--and it might serve DXers well as a "search" antenna or a back-up array for times when your main VHF TV DX antenna is not in working order. Though it does not have the nulls or back rejection needed for best DXing performance, it should outperform simple antennas such as rabbit ears or quad loops in most E-skip openings. It has what looks to be just enough gain to offer you a good sampling of signals when conditions are "up." It is hardly anything like a high-end super duper log yagi or cut-channel when it comes to weak signal performance; but in all, not too bad--for what was expected to be a mediocre antenna.

FromTheSTAFF

(CONTINUED FROM PAGE 2)

COLUMN NEWS...INTERNATIONAL NOTES, TV STATISTICS, and NORTHERN FM DX were not on hand as we go to press. We've had no word as to the status of the first two columns from their editors for many months. Ron and Bob, please take note: if we don't hear from you by the December issue deadline (November 20), we'll have to ask for new volunteers, or cancel the columns owing to apparent lack of interest.

A BRITISH SUPER-ANTENNA?...Longtime WTFDAer John Sulak has sent word about what sounds like a very interesting FM antenna design--although it almost sounds too good to be true. Ron Smith Aerials of Luton, ENGLAND is marketing a model with claimed specs of 19.2 dB forward gain, with 38.6 dB front-to-back ratio, 15.0 degree "acceptor angle" (beamwidth), 134 inches (3.4 metres) long, with three levels of directors, a "round loop dipole" and what seems to be a some type of screen reflector on the rear of the boom. Height of the complex array is about 33 inches (about 0.84 metre). There IS a North American distributor for this highly unusual array, NAIM AUDIO North America, Inc., 1748 N. Sedewich St., Chicago IL 60614. Offhand, the claimed specs seem a bit "sweet," (especially that gain figure!). Most antennas are measured against a half-wave reference dipole under carefully controlled conditions, but the English company may be using an isotropic equivalent, which inflates forward gain by more than 2 dB. Thanks, John, for whetting our curiosity! On paper at least, this array sounds like it would outperform a stack of Stereo Probe 9's! We are trying to get more information about this one, and a report may appear in an upcoming issue.

SO LONG, AND THANKS FOR ALL THE PLUGS...We've got to thank some very nice folks for promoting WTFDA in print recent weeks. Member Karl Zuk, in his October "American Bandscan" column in MONITORING TIMES, mentions the club and the wave of enthusiasm for homebrew selectivity improvements fostered by Bill Nienajadly's work with filters as reported in the VUD. POPULAR COMMUNICATIONS' November issue carries a recommendation on WTFDA in their "Mailbag" section. MT and POP'COMM are the only wide-circulation professional magazines featuring monthly coverage of shortwave DXing, scanners, specialty monitoring, and personal communications. You can find them at your local bookstore, usually next to the ham, audio, and computer magazines. Two radio hobby publications have also carried recent mention of WTFDA. THE LINK, a VHF amateur radio magazine, carried a piece on WTFDA and DXing after seeing a television news story about a meteorologist's TV DX hobby; and the National Radio Club's DX NEWS, considered by many to be one of the best DX hobby publications (NRC's specialty is primarily the mediumwave AM broadcast band--and they've been publishing since 1933!), carried a mention of WTFDA in their FM column. These publications certainly must have a large and very enthusiastic readership, going by the small flood of requests for information on the club lately!

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VHF-UHF DIGEST

The Official Publication of the Worldwide TV-FM DX Association

6/91

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